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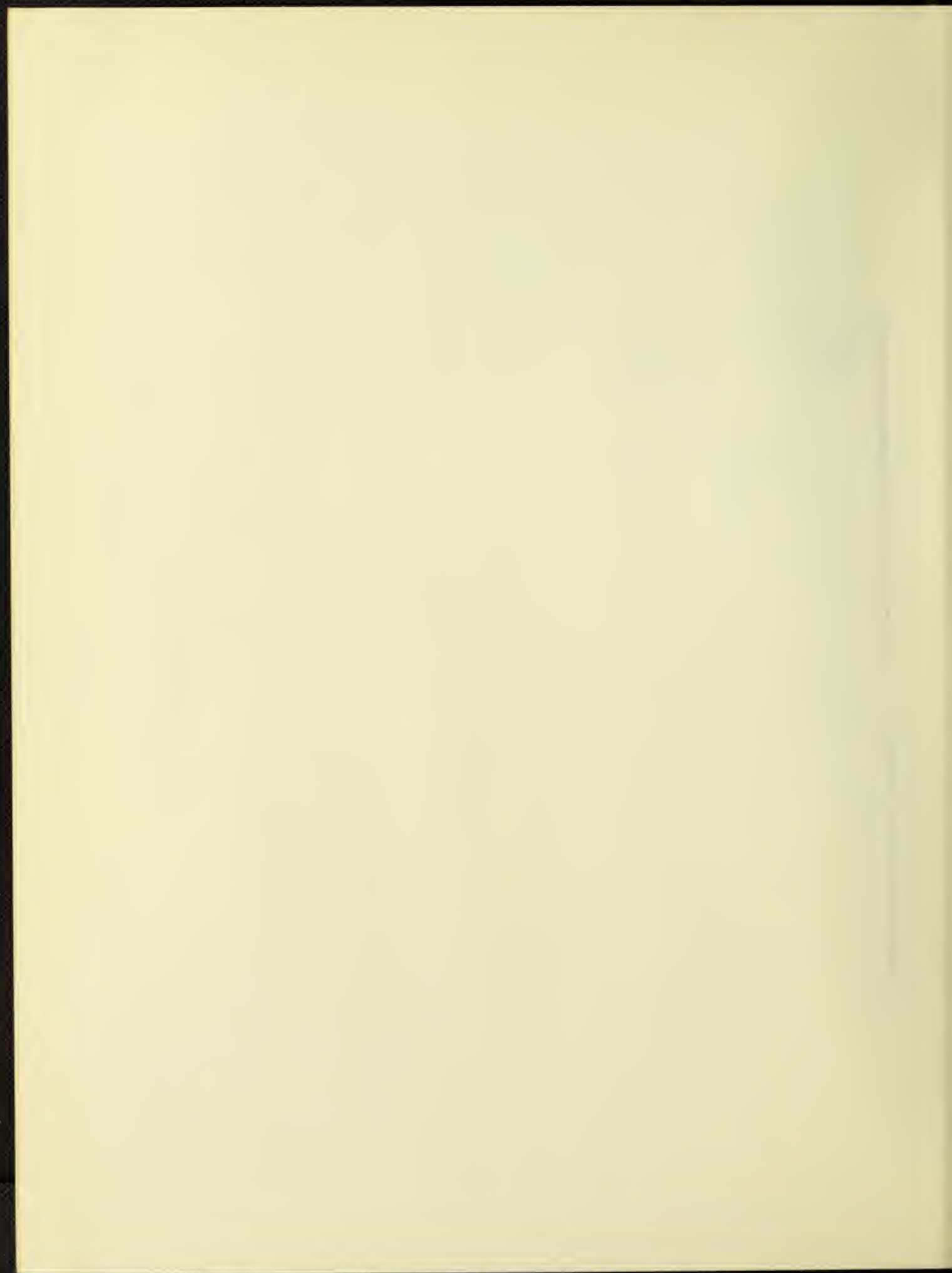
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CLIMATOLOGICAL DATA

NORTH DAKOTA

JANUARY 1960

Volume 69 No. 1



THE LIBRARY OF THE

NOA : 21 1960

UNIVERSITY OF ALABAMA

ASHEVILLE: 1960

SUPPLEMENTAL DATA

NORTH DAKOTA
JANUARY 1980

Station	Wind direction		Wind speed m p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over	Total		
BISMARCK WB AIRPORT	WNW	16	11.8	42	NW	4	78	79	75	77	20	4	1	0	0	0	25	44	7.6
DEVILS LAKE WB CITY	NW	-	7.5	23	NW	7	-	81	74	80	16	5	1	1	0	0	23	59	7.2
FARGO WB AIRPORT	S	15	14.9	38	N	18+	73	73	72	73	19	5	0	0	0	0	24	50	7.2
WILLISTON WB CITY	W	-	6.1	22	NW	4	-	76	68	73	9	6	2	0	0	0	17	48	6.7

CLIMATOLOGICAL DATA

Station	Temperature														Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Dew	Lowest	Dew	Degrees Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days						
										Max.	Min.	30° or Above	32° or Below					Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More				
NORTHWEST DIVISION																											
BOWBELLS	AM	14.7	-4.6	5.1		40	31	-25	4	1858	0	29	31	23	.84		.37	1	9.0	12	29+	3	0	0			
CRDSBY		17.4	-5.2	6.1	0.1	41	29	-27	5	1822	0	26	31	20	.61		.43	1	6.7	13	5	1	0	0			
FDXHDLM 7 N		18.2M	-0.8M	8.7M	1.4	43	29			1750	0	27	31	19	.46		.25	1	11.0	15	11+	1	0	0			
GRENDRA		18.4	1.1	8.7		42	30	-22	5	1742	0	27	31	19	.46		.29	1	7.0	9	28+	1	0	0			
KENMARE	AM	16.6	3.3	6.7		41	31	-23	5	1806	0	28	31	20	.71		.35	1				3	0	0			
LOSTWDD 12 N		14.6M	-6.6M	4.0M		42	30	-26	5	1889	0	25	31	22	.78		.56	9	8.5	13	5+	2	1	0			
MINOT FAA AIRPORT		16.9	1.4	7.8		42	30	-21	5+	1772	0	27	31	19	.89		.49	1	10.5	9	9	3	0	0			
MINOT EXP STATION	AM //	15.3M	-2.3	7.2		42	31	-22	5	1789	0	28	31	19	1.02		.50	2	10.5	16	28+	2	1	0			
MOHALL		15.3M	-5.7	4.8M	-0.5	40	30+	-25	5+	1860	0	27	31	23	.43		.28	1	7.5			1	0	0			
NEWTOWN		18.9	1.5	8.7	2.7	44	30	-23	5	1738	0	25	31	20	.42		.20	1	6.0	8	28+	1	0	0			
PARSHALL		17.9	3.7	7.1		42	30	-24	5	1790	0	26	31	23	.36		.17	1	3.5	7	29+	1	0	0			
PORLAL	AM	13.6M	-8.2M	2.7M	-1.4	33	31	-31	5	1931	0	29	31						7	31+							
POWERS LAKE 1 N		16.1M	-6.1M	5.0M		43	30	-28	5	1867	0	27	31	23	.70		.32	1	13.5	15	5+	2	0	0			
STANLEY		16.6	-2.7	7.0		41	30	-24	5	1796	0	26	31	21	.55		.24	1	7.3	9	3	2	0	0			
TIDGA 1 E	AM	14.9	-6.7	4.1		38	31+	-30	5	1890	0	28	31	25	.85		.33	1	8.3			5	0	0			
WILLISTON WB CITY	R//	19.6	0.8	10.2	0.2	44	30	-22	5	1695	0	26	31	18	.61		.35	1	6.0	7	6+	2	0	0			
WILLISTON EXP FARM		16.7M	-1.4M	7.7M						1793	0	26	31		.26		.13	1				2	0	0			
DIVISION				6.6	0.3										.62		.16		8.2								
NORTH CENTRAL DIVISION																											
BELCOURT INDIAN RES		13.6	-7.7	3.0		43	29	-32	5	1923	0	27	31	23	.62		.39	1	6.6	11	11+	2	0	0			
BOTTINEAU	AM	11.8M	-7.7	2.1M	-1.2	37	30	-32	5	1956	0	29	31	22	.38		.11	1	6.9	9	29+	1	0	0			
DRAKE	AM	18.4M	-2.6M	7.9M	-1.9	42	31	-23	5	1755	0	27	31	19	.54		.09			7	29+						
ECKMAN 2 SE	AM	13.4M	-9.9	1.8M	-1.2	42	31	-31	4	1957	0	29	31	26	.71		.28	2	9.0	12	28+	2	0	0			
GRANVILLE		16.2M	-3.0	6.6M	-0.1	45	30	-25	5	1806	0	28	31	19	.63		.08										
LEEDS		13.7	-6.7M	3.5M		36	31+	-26	4	1908	0	28	31	24	1.33		.83	1	15.7	14	2	3	1	0			
MADDCK AGRI SCHDDL		15.9M	-4.4	5.8M	0.6	40	30	-24	5+	1824	0	28	31	20	.47		.30	1				1	0	0			
ROLLA		12.6	-5.6	3.5		38	29	-29	5	1906	0	28	31	24	.78		.44	1	8.5	11	9	3	0	0			
RUGBY		15.5M	-4.8	5.4M		41	30	-25	5+	1838	0	28	31	23	.85		.55	1	13.0	15	30+	1	1	0			
SAN HAVEN		10.3M	-4.7M	2.8M	-1.4	35	29	-31	5	1928	0	30	31	22	.52		.03		6.2	9	29+	2	0	0			
TOWNER		16.3M	-6.4M	5.0M	0.0	45	30	-28	5	1859	0	28	31	22	.71		.14		11.0	16	28+						
UPHAM 3 N		14.5	-8.6	3.0		43	30	-34	4	1922	0	28	31	24	.45		.17	2	13.2	12	29+	2	0	0			
VELVA		20.2	-1.7	9.3	1.1	44	30	-24	4	1724	0	24	31	18	.67		.43	1	11.8	12	29+	2	0	0			
WESTHOPE		11.5	-9.9	0.8	-2.9	39	30+	-32	4	1985	0	28	31	26	.93		.73	1	11.0	13	26+	2	1	0			
WILLDOW CITY		12.5	-11.5	0.5	-2.0	41	30	-34	4	2000	0	29	31	25	.23		.06	2	8.5	9	29+	0	0	0			
DIVISION				4.1	-0.4										.65		.11		10.1								
NORTHEAST DIVISION																											
ARVILLA STATE PARK		15.5	-7.7	3.9		37	30+	-27	7+	1893	0	28	31	27	.38		.12	1	12.0			2	0	0			
BISBEE		11.2	-7.3M	2.0M		36	30	-29	4	1962	0	29	31	24	1.43		.68	1	15.8	17	29+	3	1	0			
CAVALIER		15.1	-4.6	5.3		36	29	-26	4	1847	0	30	31	24	.60		.28	1	7.4	9	31+	3	0	0			
DEVILS LAKE WB CITY	R	13.2	-6.0	3.6	-1.2	38	30	-25	5+	1903	0	29	31	23	.92		.63	1	11.2	11	8+	2	1	0			
EDMORE 1 N		12.2	-8.9	1.7		35	30	-28	5	1960	0	28	31	24	.58		.41	1		11	29+	1	0	0			
GRAFTON		13.1	-10.3	1.4	-3.3	34	29	-33	5	1967	0	30	31	28	.56		.34	1	12.6			2	0	0			
GRAND FORKS FAA AIRPORT	R	15.5	-4.3	5.6		35	30	-22	5	1839	0	30	31	22	.80		.26	2	9.7	7	19+	3	0	0			
GRAND FORKS UNIVERSITY		15.8	-1.7	7.1	2.7	35	30	-22	5	1794	0	30	31	20	.64		.45	1	8.1	7	29+	1	0	0			
HANNAH		12.7	-10.8	1.4		33	30	-33	4	1985	0	30	31	26	.25		.11	1	2.9	5	29+	1	0	0			
HANSBORD		13.6	-6.8	3.4	0.5	36	30+	-29	5	1908	0	29	31	25	.37		.05										
LANGDON EXP FARM		12.0	-8.8	1.6	-0.3	33	30	-32	4	1963	0	30	31	24	.71		.11		7.8	13	28+	2	0	0			
LARIMORE		17.4	-4.3	6.6	1.3	40	30	-23	5	1807	0	28	31	21	.33		.12										
MC VILLE		16.0	-5.7	5.2		39	30	-25	5	1851	0	28	31	22	.60		.41	1	8.5	6	31+	1	0	0			
MUNICH 4 SW		12.6	-7.9	2.4		33	30	-30	4	1939	0	30	31	25	.52		.24	1	7.6	8	29+	1	0	0			
PARK RIVER		16.2	-3.5	6.4	2.0	37	31+	-24	4	1816	0	28	31	20	.68		.48	1	13.0	14	10+	2	0	0			
PEMBINA		15.6	-6.3	4.7		33	29	-24	5	1867	0	30	31	22	.36		.10	9	3.3			1	0	0			
PETERSBURG		14.9	-4.9	5.0		38	30	-25	5+	1859	0	28	31	22	.61		.30	1	6.0	8	29+	2	0	0			
DIVISION				3.9	0.6										.61		.05		9.0								
WEST CENTRAL DIVISION																											
BEULAH		21.9	0.3	11.1		44	30	-22	5	1666	0	25	31	18	.22		.10	1				1	0	0			
BUTTE	AM	17.6	-1.3	8.2		43	31	-23																			

CLIMATOLOGICAL DATA

NORTH DAKOTA
JANUARY 1960

CONTINUED

Station	Temperature												Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Dew	Lowest	Dew	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Dew	Snow, Sleet			No. of Days						
										Max		Min						Total	Max. Depth on Ground	Dew	10 or More	50 or More	100 or More				
										90° or Above	32° to 90°	32° or Below	0° or Below														
TURTLE LAKE	18.9	-1.5	8.7		43	30	-24	5	1743	0	25	31	19	.68		.40	1										
UNDERWOOD	18.3M	0.4M	9.4M		38	30+	-24	5	1722	0	26	31	15	.47		.19	1	6.0	8	5+	2	0	0				
WASHBURN																											
WATFORD CITY	21.5	1.9	11.7	0.5	44	30	-22	5	1646	0	24	31	14	.59	-.02	.28	1		8	5+	1	0	0				
WATFORD CITY 14 S	21.8M	-2.3M	9.8M				-28	5	1742	0	25	31	20	.23		.12	1	6.7	7	26+	1	0	0				
WILTON	20.6	1.6M	11.1M		44	30			1681	0	25	31	18	.41		.27	1	5.5			1	0	0				
DIVISION			9.7	0.9										.50	.03			6.0									
CENTRAL DIVISION																											
CARRINGTON	AM	16.4	-4.6	5.9	-0.3	40	31	-24	5	1830	0	28	31	.70	.18	.38	1	8.5	9	30+	2	0	0				
FESSENOEN		18.3	-2.0	8.2	1.9	40	30	-24	5	1758	0	27	31	.55	.02	.35	1	9.4			2	0	0				
JAMESTOWN FAA AIRPORT	R//	19.4	-1.9	8.8		42	30	-22	5	1740	0	26	31	.27		.09	1	3.4	7	7	0	0	0				
JAMESTOWN STATE HOSP		19.5	0.2M	9.9M	1.7	41	30	-19	5+	1701	0	27	31	.58	.12	.35	1	8.0			0	0	0				
KENSAL WILDLIFE REFUGE		19.1M	-2.2M	8.5M		43	30	-24	5	1749	0	27	31	.43		.26	1	6.0	7	28+	1	0	0				
MC CLUSKY		17.9	-0.9	8.5	1.0	38	30+	-23	5	1747	0	26	31	.46	.17	.24	1	5.3	6	11+	1	0	0				
MC HENRY 5 N		16.2	-5.4	5.4		40	30	-27	5+	1844	0	28	31	.36		.17	1	6.0	8	31+	1	0	0				
PETTIBONE		16.9	-1.9	7.5	1.0	35	30	-25	5	1778	0	26	31	.38	.09	.18	1	5.0	8	31+	1	0	0				
STEELE		20.1	0.7	10.4	2.8	42	30	-24	5	1686	0	26	31	.45	.01	.24	1	10.5	9	2+	1	0	0				
DIVISION			8.1	1.3										.46	.05			6.9									
EAST CENTRAL DIVISION																											
AMENIA		18.9	-2.0	8.5		37	30	-23	5	1743	0	29	31	.37		.20	1	5.0	5	7	2	0	0				
COOPERSTOWN		17.4	-3.4	7.0		40	30	-30	5	1792	0	28	31	.63	.16	.41	1	7.6	7	29+	1	0	0				
FARGO WB AIRPORT	R//	18.0	-1.9	8.1	1.0	38	30	-21	5	1762	0	30	31	.17	.43	.05	2+	6.2	6	13+	0	0	0				
HILLSBORO		18.3	0.7M	9.5M	3.2	37	30	-23	5	1715	0	29	31	.37	.16	.30	1	5.0			1	0	0				
MAYVILLE		17.1	-1.0	8.1	1.3	39	30	-21	5	1757	0	28	31	.67	.14	.55	1	7.3	6	3+	1	0	0				
SHARON		16.3	-3.3	6.5	1.7	36	29	-24	5	1812	0	28	31	.50	.02	.35	1	8.5	7	28+	1	0	0				
VALLEY CITY		18.4M	-1.3	8.6M	0.1	42	30	-22	4	1757	0	29	31	.42	.04	.23	1	6.0	7	10+	1	0	0				
DIVISION			8.0	2.1										.45	.05			6.5									
SOUTHWEST DIVISION																											
AMIDON	AM	24.0	5.4	14.7		48	31	-17	5	1553	0	23	31	.16		.12	26	5.5			1	0	0				
BEACH	AM	23.5	3.1	13.3		46	31	-22	5	1599	0	22	31	.33		.17	26	6.0	4	27+	1	0	0				
SELFIELD		23.4M	3.5	13.5M		45	30	-23	5	1595	0	23	31	.34		.16	1				1	0	0				
BOWMAN COURT HOUSE		26.5M	6.0M	16.3M	1.5	49	30	-21	5	1518	0	20	31	.11													
DICKINSON FAA AIRPORT	R//	22.9	4.2	13.6		45	30	-19	5+	1586	0	25	31	.13		.20	1	2.8	3	6+	1	0	0				
DICKINSON EXP STATION	AM	22.4	-1.3	10.6	-0.1	46	30	-24	5	1684	0	25	31	.17	.35	.08	1		3	30+	0	0	0				
FAIRFIELD		20.5	1.6	11.1		42	30	-22	5	1669	0	25	31	.47		.25	1	8.0	9	29+	1	0	0				
HETTINGER						49	30					20	31	.13													
MARMARTH	AM	26.9	1.6	14.3	-0.6	50	31+	-26	5	1567	0	19	31	.10	.33	.10	26	4.0	2	28+	1	0	0				
MEODORA 3 NNE		27.2M	-2.0M	12.6M		53	30	-35	5	1620	0	20	31	.17		.12	26+	6.0	5	26	2	0	0				
MOTT		25.5	-0.5	12.5	-1.1	48	30	-25	5	1622	0	23	31	.19	.04	.27	1		3	29+	2	0	0				
NEW ENGLAND		25.2	2.0	13.6	-0.7	47	30	-25	5	1587	0	22	31	.14	.31	.15	1		4	28+	2	0	0				
RICHARDSON ABBEY		23.3	4.4	13.9	1.0	44	30	-22	5	1582	0	23	31	.13	.24	.17	1	3.7	4	5+	1	0	0				
TROTTERS 3 S																											
DIVISION			13.3	-0.4										.31	.19			5.1									
SOUTH CENTRAL DIVISION																											
ALMONT 7 SW		22.1	3.6	12.9		45	30	-21	5	1613	0	24	31	.15		.20	1	4.6	8	4+	2	0	0				
BISMARCK WB AIRPORT	R//	21.0	1.0	11.0	1.8	45	29	-22	5	1668	0	25	31	.15	.01	.24	1	6.0	7	6+	1	0	0				
BREIEN 4 S		23.3	-1.0	11.2		48	30	-27	5	1663	0	24	31	.17				8	28+								
CARSON	AM	21.5	0.3	10.9	-0.9	45	31	-23	5	1671	0	24	31	.18	.32	.08	26				0	0	0				
FORT YATES	AM	22.1M	-1.7M	10.2M	-1.9	48	31	-24	5	1718	0	24	31	.20	.19	.17	1	3.5	6	29+	1	0	0				
LINTON		22.5	0.7	11.6	1.5	44	30	-30	5	1652	0	24	31	.17	.07	.21	1	3.0	6	5+	1	0	0				
MANDAN EXP STATION	AM	20.0	-0.1	10.0	0.6	44	31	-23	5	1703	0	26	31	.19	.24	.13	1	7.6	10	6+	2	0	0				
MANDAN FT LINCOLN PARK		22.3	1.4	11.9		47	30	-23	5	1644	0	25	31	.16		.32	1	8.0	10	5+	1	0	0				
MOFFIT 4 SE	M						-26	5			0	25	31	.17		.15	1	3.4	5	28+							
NEW SALEM 1 SE	M	20.3	1.1M	10.7M	-0.3	43	30	-23	5	1677	0	25	31	.17	.06	.25	1	5.0			1	0	0				
DIVISION			11.2	0.3										.31	.13			5.1									
SOUTHEAST DIVISION																											
ASHLEY		20.1	0.6	10.4	1.4	45	30	-25	5	1690	0	27	31	.18	.18	.16	1	5.0	7	29+	2	0	0				
EDGELEY EXP FARM	AM	20.6M	-1.6M	9.5M	0.5	49	31	-23	6		0	28	31	.17	.07	.30	1	3.0	3	30+	1	0	0				
ELLENDALE		21.4	2.6	12.0	2.2	37	30+	-28	5	1636	0	26	31	.15	.07	.32	1	6.5	8	6+	2	0	0				
ENDERLIN	AM	18.3	-2.9	7.7		38	31	-25	5	1775	0	30	31	.19		.34	1	15.0	12	28+	2	0	0				
FORMAN		20.8	2.3	11.6		38	30	-24	5	1654	0	27	31	.14	.26	.67	1				1	0	0				
FULLERTON		20.0	2.2M	11.1M	1.0	36	30+	-27	5	1660	0	28	31	.15	.29	.16	1				2	0	0				
GACKLE		20.7	0.2	10.5		42	30	-23	5	1685	0	26	31	.18		.35	1	5.6	6	2	1	0	0				
GRAND RAPIDS 1 N		21.3	0.0	10.7		43	30	-25	5	1680	0	27	31	.14		.38	1	6.0	6	6+	1	0	0				
HANKINSON R R STATION	AM	20.3	-0.7	9.8	0.6	38	30	-21	6+	1707	0	26	31	.18	.30	.23	2				1	0	0				
LISBON		21.4	0.9	11.2	2.5	39	30	-24	5	1665	0	27	31	.17	.14	.44	1	6.7	6	11+	2	0	0				
MC LEOO 3 E		19.6	-0.8	9.4	0.9	38	30	-26	5	1720	0	29	31	.16	.20	.13	1	5.5			1	0	0				
NAPOLEON		20.1M	0.1	10.1M	1.7	46	30	-25	5	1693	0	27	31	.17	.23	.18	1	3.0	4	6+	1	0	0				
OAKES		20.4	1.4	10.9	2.5	37	30	-27	5	1670	0	27	31	.14	.15	.66	1				2	1	0				
WAHPETON		21.2	2.7M	12.0M	2.4	38</																					

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See reference notes following Station Index.

DAILY PRECIPITATION

Continued

NORTH DAKOTA
JANUARY 1960

Station	Total	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PETTIBONE	.36	.18	.06			.07																					.07						
PORTAL	.16	.16	-			.03														.01	T						.05		T				
POWERS LAKE 1 N	D .70	.32	T			.02				D .30									.02	T	T						.04						
PRETTY ROCK	.15	.11	T	T		.02											T	T	T	T					T	T	.02		T				
RAUB 10 SSW	.78		.78	T	T	T													T	T				T									
REEDER	.41	.14	.21																T	T							.03	.03					
REEDER 14 N	.12	.06																	T	T	T	T					.06						
RICHARDTON ABBEY	.32	.17	.09	T	T	T				T									T	T	T	T					.06		T				
RIVERDALE	.29	.10	.14	T			.03	T		T									T	T	T	T					.02			T			
ROLLA	.78	.44	.10	T		.01	.03	.01		.13	T								.02				.01				.03		T	T			
RUGBY	.85	.55	.08	T	T	.02	.04	.02	T	.08									.01		T	T					.05	T	T				
RYDER	.34	.22			T													T			.07	.05	T										
SAN HAVEN	.52	.30	T			.08	.02		T	.10											.07	.05	T					.02		T			
SELFRIEDE 11 W	.30	.19																															
SENTINEL BUTTE 20 S	.30	.19																	T								.04	.07					
SHARDON	.50	.35	.05		T	.02	T			.02																T		.06	T				
SHERWOOD 3 N	.44	.15	.14							.04				T					.08								.03						
SHIELDS	.21	.21																									T						
STANLEY	.55	.24	.08				.04			.10									T	.02								.07					
STEELE	.45	.24	.06	T	T	.03													.04								.08		T				
SYKESTON	.55	.51	T		T	T													T	T			T				.04		T				
TAGUS	.61	.42	T		.01	.10				.06																		.02					
TIDGA 1 E	.85	.33	.13	.10		.10				.11									.04	T	T		.02	T			T	.02					
TOWNER	.71	.37				.10				.14																		.10					
TROTTERS 3 S	.71	.37				.10				.14																		.10					
TURTLE LAKE	.68	.40	.09		.02	.14													T	T							.03						
TUTTLE	.40	.20	.07		T	.08	T													T	T	T					.05						
UNDERWOOD	.47	.19	.09	.02	T	.13	T												.01	T	T	T					.03						
UPHAM 3 N	.45	.15	.17		T	T				.07									T	.01		T	T	.04				.01	T	T			
VALLEY CITY	.42	.23	.04		T	.05	.08	T		.07			T	.01						.01	T	T	T	.04				.01	T	T			
VELVA	.67	.43	.11		T	T				.04									.01	.01			T				.07		T				
VERONA	.78	.76																									.02						
WAMPETON	.48	.12	.16					.13											T				T				.07						
WALHALLA	O .56	.16																									T						
WARWICK	.56	.42	.05		T	.03	T															T						.06	T	T			
WASHBURN	.28	.18	T																														
WATAUGA 5 OAKDA 8 N	.59	.28	.07			.04	.07			.08																		.10					
WATFORD CITY	.23	.12	.04		T			.01		.04									.01								.05						
WATFORD CITY 14 S	.93	.73	T	T	T	.03	T	T	.13										T	.04		T	T					T	T				
WESTHOPE	.77	.48			.05					.12																							
WILDROSE	R// .61	.35	.05	T	.02	.02		.01		.11								T	.01	T	T	T	T				T	.12					
WILLISTON WB CITY	.26	.13								.10													T				T	.04	T				
WILLISTON EXP FARM	.23	.05	.06		.02	.02				.04																		.03					
WILLOW CITY	.23	.05	.06		.02	.02				.04																		.02	T				
WILTON	.41	.27																									.08						
WISHEK	O .45	D .20	D .15																														
WOODWORTH	.88	.40	.18	T	T	.02	.10	.07			T								T	T		T			T	.03		D .10					
																											.08						

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
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Station		Day Of Month																																Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ALMONT 7 SW	MAX MIN	26 18	22 0	3 -11	10 -15	29 -21	38 26	34 21	22 8	27 14	29 12	38 18	30 14	22 8	17 -2	16 0	21 7	14 -3	9 1	10 -3	11 -7	9 -5	5 -13	16 -8	18 6	14 -4	3 -5	34 -6	29 7	41 7	45 30	43 18	22.1 3.6		
AMENIA	MAX MIN	27 12	21 0	6 -16	1 -21	18 -23	30 -3	22 11	23 -17	30 -4	28 -3	31 5	26 26	31 21	23 -3	12 -5	20 -3	18 7	21 4	18 -4	12 -10	11 -3	10 -7	15 -4	10 -6	7 -4	4 -9	18 -17	19 5	28 -7	37 7	35 10	18.9 -2.0		
AMIOON	MAX MIN	22 10	17 3	12 -10	15 -15	13 -17	35 12	38 17	32 8	29 14	27 12	35 15	40 17	33 12	24 16	22 11	31 16	25 0	14 11	7 -3	16 -10	6 -3	6 -13	9 -3	27 5	20 1	7 -1	30 1	38 12	30 20	35 22	48 27	24.0 5.4		
ARVILLA STATE PARK	MAX MIN	16 0	9 -1	5 -16	-7 -27	4 -23	10 -10	24 -1	12 -16	-7 -7	-4 -4	3 3	2 2	26 3	30 15	28 12	31 17	18 16	18 4	20 -3	23 -1	16 0	11 -14	9 -1	8 -7	10 -6	16 -9	-17 -17	-18 -18	-19 -19	15 -2	37 0	37 4	34 0	15.5 -7.7
ASHLEY	MAX MIN	27 22	25 0	5 -14	8 -19	16 -25	36 15	28 18	24 12	32 12	30 13	25 12	32 17	26 15	16 6	16 -6	15 -15	19 4	16 -3	15 -1	12 -6	9 -9	6 -3	6 -13	23 -4	-8 -6	5 -3	19 0	19 3	32 2	45 18	36 17	20.1 0.6		
BEACH	MAX MIN	18 12	17 2	7 -11	15 -16	10 -23	35 7	38 20	30 7	29 14	28 20	35 17	41 11	34 13	18 6	25 -15	29 4	25 -1	4 -1	8 -11	11 -6	5 -0	12 -13	29 -16	25 1	7 0	27 -1	37 15	34 17	43 27	46 23	23.5 3.1			
BELCOURT INDIAN RES	MAX MIN	17 14	15 -3	4 -20	-6 -31	-1 -32	5 -7	20 3	9 -26	16 -5	15 -2	22 -2	33 9	19 12	18 -19	9 -22	6 -15	18 -6	15 -6	5 -3	3 -5	3 -3	8 -20	3 -24	5 -16	3 -11	2 -21	0 -13	17 -3	43 0	45 11	34 11	23.4 -7.7		
BELFIELD	MAX MIN	20 14	2 -14	13 -14	31 -15	39 -22	34 29	26 22	29 7	30 20	42 22	28 16	26 12	21 10	22 -7	27 6	16 -2	9 -1	7 -3	12 -5	23 -3	12 -17	23 -5	24 12	15 -18	39 -6	13 -3	39 -5	6 3	19 18	17 17	23 17	23.4 3.5		
BEULAH	MAX MIN	26 21	22 -3	4 -15	8 -16	29 -22	38 20	35 19	24 6	30 17	32 5	36 17	29 5	22 13	15 -7	23 -7	18 -1	14 -3	10 -3	11 -1	9 -3	9 -5	6 -13	12 -8	15 -3	12 -5	14 -8	12 -14	24 13	41 5	44 20	37 19	21.9 0.3		
BISBEE	MAX MIN	22 15	15 -4	5 -20	-9 -29	3 -27	7 -7	23 3	4 -16	10 -5	12 -5	26 5	27 5	21 7	7 -8	2 -18	6 -10	5 -5	19 3	9 -3	5 -14	2 -3	0 -13	-1 -17	-1 -14	-1 -10	-1 -13	2 -20	13 0	30 -4	36 9	35 4	11.2 -7.3		
BISMARCK WB AIRPORT	MAX MIN	28 20	20 -2	5 -18	9 -17	29 -22	39 18	36 19	21 14	27 17	31 10	37 17	28 12	25 10	12 -4	13 -7	18 5	12 2	13 13	14 0	10 -4	10 -3	4 -14	15 -16	12 7	23 0	-13 -1	-14 -14	-2 2	45 14	43 2	40 9	21.0 1.0		
BOTTINEAU	MAX MIN	24 11	20 5	5 -17	-14 -30	-11 -32	7 -29	24 3	21 -20	19 -6	14 -8	20 -6	23 6	9 -2	18 -13	11 -8	10 -8	3 2	15 -10	7 -11	4 -11	7 -11	4 -16	0 -17	4 -14	0 -15	2 -11	4 -14	17 1	17 0	37 29	35 40	11.8 -4.6		
BOWBELLS	MAX MIN	18 6	17 -5	4 -20	0 -25	-7 -24	20 -7	32 16	21 -6	13 -3	20 5	23 8	32 4	20 -2	16 -8	12 -5	17 -8	3 -9	7 -1	5 -15	6 -12	3 -14	10 -15	3 -14	5 -11	1 -11	12 -14	29 1	29 0	39 29	40 17	14.7 -4.6			
BOWMAN COURT HOUSE	MAX MIN	24 14	20 2	10 -9	11 -13	31 -21	38 26	35 17	28 9	30 15	34 8	40 11	36 22	25 15	20 5	31 12	28 2	22 -2	7 -6	14 -4	11 -3	11 -2	12 -13	30 -2	17 6	17 2	42 8	41 16	45 20	49 28	34 26	26 26	26.5 6.0		
BREIEN 4 S	MAX MIN	29 20	28 5	5 -12	10 -22	32 -27	39 22	40 20	30 -1	30 10	34 7	36 13	29 8	25 18	18 -11	10 -10	22 2	17 -3	13 5	12 -13	10 -18	5 -1	12 -18	10 -8	14 -1	12 -6	27 -23	17 12	43 -12	48 9	41 21	23.3 -1.0			
BUTTE	MAX MIN	23 8	25 -5	7 -13	0 -21	1 -23	22 -18	35 18	26 -9	32 7	22 7	24 12	32 13	24 13	22 -6	20 -5	13 -2	13 -2	11 2	13 1	7 0	7 -2	6 -13	10 -11	11 -9	10 -8	0 -9	10 -12	29 3	20 2	40 18	43 15	17.6 -1.3		
CARRINGTON	MAX MIN	23 11	25 5	8 -12	-5 -23	-1 -24	20 -21	33 6	26 -14	22 -4	24 6	25 9	30 10	22 10	25 -8	10 -13	13 -2	10 -13	10 -6	13 -5	10 -13	12 -17	8 -16	-8 -8	-2 -9	-20 -20	1 -8	22 1	19 -3	36 19	40 13	16.4 -4.6			
CARSON	MAX MIN	24 15	28 5	7 -8	11 -19	9 -23	32 -20	37 16	33 0	25 5	28 10	33 18	37 15	28 16	22 -8	18 -5	18 -2	6 2	10 -9	10 -13	11 -5	6 -20	8 -9	20 -2	19 -3	12 -2	5 7	35 29	49 6	41 26	45 25	21.5 0.3			
CAVALIER	MAX MIN	26 10	23 -2	7 -15	-6 -26	-2 -25	0 -17	28 -5	-3 -23	12 -5	20 0	27 0	28 10	23 10	22 0	12 -11	17 -4	16 -1	21 2	18 -1	10 -9	7 -3	8 -3	10 -1	7 -6	13 -1	17 -4	16 -4	36 -11	30 2	30 10	15.1 -4.6			
CENTER	MAX MIN	28 22	28 8	8 -10	6 -13	27 -22	38 22	37 19	24 12	28 15	30 7	34 14	29 7	10 -8	12 -13	16 -4	11 -4	8 -5	-4 -4	-14 -5	0 -4	-14 -17	0 -19	-4 -19	-4 -19	-6 -6	-3 -3	19 4	28 4	42 2	44 19	18 18	21.2 0.3		
COOPERSTOWN	MAX MIN	26 14	25 1	3 -18	-5 -23	11 -30	18 -7	26 5	-18 -6	12 -12	26 3	30 12	26 8	27 13	16 -10	15 -15	17 0	20 -2	15 -1	20 -2	5 -1	10 -8	12 -16	5 -12	10 -16	5 -8	17 -11	17 4	36 17	40 13	36 13	17.4 -3.4			
CROSBY	MAX MIN	17 12	14 -13	6 -21	2 -26	23 -27	37 13	34 9	18 -2	21 2	20 5	29 1	25 1	21 0	14 -7	16 1	12 -7	4 -10	8 -4	9 -4	9 -16	7 -5	4 -19	10 -19	7 -12	4 -14	12 -17	28 -16	42 -2	48 14	39 17	34 17	17.4 -5.2		
DEVILS LAKE WB CITY	MAX MIN	24 15	15 -9	3 -25	-10 -25	13 -25	11 -7	25 -8	4 -14	17 4	22 3	28 16	14 4	-1 -10	-16 -16	-2 -2	10 -8	16 -8	6 -10	3 -8	7 -10	6 -12	3 -16	7 -8	2 -13	5 -13	19 -11	-1 1	6 2	36 13	38 13	31 13	13.2 -6.0		
DICKINSON FAA AIRPORT	MAX MIN	21 10	3 -2	12 -13	32 -19	38 -19	35 25	30 15	26 10	27 18	32 14	39 21	30 15	22 1	19 -4	27 15	27 8	8 -1	5 -5	7 -5	12 -10	8 -3	10 -13	24 -3	25 11	11 0	14 -8	36 8	29 18	42 9	45 19	37 19	22.9 4.2		
DICKINSON EXP STATION	MAX MIN	23 9	21 -3	6 -11	12 -18	10 -21	34 18	37 18	31 1	25 5	29 5	32 13	40 15	30 10	19 -10	19 -10	26 6	25 -6	4 -2	8 -10	6 -7	10 -20	26 -2	22 -3	6 -13	21 -3	37 5	29 5	46 25	45 25	22.4 -1.3				
DRAKE	MAX MIN	24 10	25 5	5 -22	-1 -22	21 -23	22 -18	34 9	24 -10	22 0	4 12	7 7	22 4	22 8	10 -5	9 -3	12 3	8 -3	9 0	0 -2	17 -17	9 -13	0 -10	0 -14	2 -13	10 -10	14 -14	27 3	24 2	38 23	42 14	18.4 -2.6			
DUNN CENTER 2 SW	MAX MIN	23 14	23 3	7 -9	8 -15	8 -20	34 15	37 19	28 15	23 9	28 12	29 12	37 8	26 18	10 -8	10 -10	19 5	25 -4	5 -4	9 -2	9 -5	9 -17	7 -16	4 -4	23 -3	20 -4	5 -10	11 -4	30 5	31 0	41 20	43 22	20.3 0.7		
ECKMAN 2 SE	MAX MIN	21 9	21 0	7 -20	-14 -31	-9 -29	20 -24	29 -4	21 -16	9 -15	15 -7	8 15	25 0	20 0	-15 -13	20 -11	11 6	10 -11	10 -1	11 -9	7 -21	4 -23	6 -18	5 -17	0 -15	5 -20	30 2	19 -3	37 14	42 12	13.4 -9.9				
EGEGLEY EXP FARM	MAX MIN	27 7	27 9	10 -17	5 -20	7 -20	22 -23	32 32	29 29	35 10	29 10	30 9	27 9	29 11	30 2	12 -10	18 -9	5 5	4 4	20 1	13 -2	13 -11	10 -10	7 -5	4 -4	2 -2	8 -4	21 6	49 6	49 28	20.6 -1.6				
EMORE 1 N	MAX MIN	23 12	20 -5	-3 -19	-10 -28	-2 -28	3 -13	23 -2	5 -25	11 -8	14 -11	27 6	25 4	25 -7	10 -14	3 -20	15 9	13 0	16 1	14 -7	8 -18	2 -3	1 -15	3 -21	1 -9	0 -11	15 -17	13 -5	33 -12	35 5	33 7	12.2 -8.9			
ELLENDALE	MAX MIN	28 22	25 8	10 -12	9 -22	20 -14	37 24	36 24	28 2	26 15	35 10	28 10	29 13	29 20	21 -2	13 -5	18 2	15 -2	20 4	18 -5	16 -11	8 -12	21 -2	10 -7	6 -2	20 3	9 9	20 18	27 9	37 18	36 20	21.4 2.6			
ENOERLIN	MAX MIN	26 12	27 12	14 -6	-3 -18	5 -25	20 -24	32 24	30 -18	15 -18	23 13	28 11	31 22	28 22	31 -3	11 -11	18 4	20 -8	15 1	12 4	12 0	18 -11	8 -12	15 											

DAILY TEMPERATURES

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Station		Day Of Month																																Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GACKLE	MAX MIN	26 16	22 -4	5 -17	4 -22	23 -23	36 15	34 21	22 2	23 11	32 10	28 12	31 14	28 12	22 -7	21 -7	19 6	18 -2	17 2	14 -4	8 -4	6 -8	4 -15	14 -13	17 -4	9 -8	5 -5	22 -3	18 -5	38 -5	42 22	35 19	20.7 0.2	
GARRISON	MAX MIN	25 6	20 6	6 -18	3 -21	26 -9	36 26	29 36	22 22	22 9	24 14	22 16	36 10	23 13	17 -17	11 -17	15 -3	17 1	8 3	6 -3	11 -2	7 -2	9 -15	7 -15	10 -10	7 -10	2 -8	12 -10	4 -10	30 4	39 20	42 18	18.0 0.2	
GRAFTON	MAX MIN	24 7	24 -2	4 -22	-10 -30	-1 -33	-3 -18	24 -7	1 -27	10 -10	14 -7	25 -2	25 -2	22 7	20 -10	7 -22	14 -7	13 -2	19 -2	17 -2	6 -18	5 -5	7 -10	7 -12	6 -4	6 -20	0 -22	14 -22	14 -5	34 -16	30 7	29 7	13.1 -10.3	
GRAND FORKS FAA AIRPORT	MAX MIN	28 22	26 -5	7 -19	-6 -21	3 -22	9 -9	26 8	4 -16	14 4	20 -4	30 11	30 19	28 5	10 -4	12 -10	18 0	16 4	20 4	13 -8	9 -11	7 -3	9 -7	11 -2	12 -5	3 -10	0 -19	17 -19	13 -6	31 -7	35 7	25 7	15.5 -4.3	
GRAND FORKS UNIVERSITY	MAX MIN	28 22	26 -1	-1 -17	-6 -19	3 -22	6 -9	26 0	0 -15	14 -4	19 3	30 11	30 21	28 16	16 0	8 -8	18 1	18 4	20 4	15 -2	9 -8	8 2	9 -6	12 -2	13 -3	3 -6	2 -10	17 -15	16 -1	31 -6	35 10	32 8	15.8 -1.7	
GRAND RAPIDS 1 N	MAX MIN	27 20	24 -3	7 -21	5 -21	21 -25	26 3	35 22	28 -12	23 -12	38 11	28 11	29 5	30 20	-6 -6	-13 -13	24 -4	16 3	20 5	18 1	13 -10	10 1	9 -14	10 -19	21 -5	7 -3	6 -3	20 2	20 3	32 -9	43 10	37 19	21.3 0.0	
GRANVILLE	MAX MIN	20 12	17 -3	5 -21	-6 -21	22 -25	23 3	22 17	17 -10	20 3	17 3	31 11	24 4	20 7	19 -10	11 -11	12 -4	12 -1	12 2	12 0	6 -8	6 -4	-2 -17	11 -20	2 -10	7 -10	8 -10	20 5	41 -1	45 22	36 13	16.2 -3.0		
GRENORA	MAX MIN	17 8	10 -3	5 -15	5 -20	27 -22	37 18	32 11	23 9	23 10	23 4	14 14	25 7	23 7	-5 -5	-2 -1	16 -6	5 -2	6 -6	9 -4	11 -14	9 -3	2 -17	10 -13	12 -11	5 -6	28 -10	14 -1	40 2	42 1	35 13	18.4 -1.1		
HANKINSON R R STATION	MAX MIN	25 10	27 21	-5 -18	5 -21	9 -25	12 -9	30 24	35 -12	18 -12	23 15	35 9	32 20	32 27	34 27	18 -5	18 5	20 2	22 5	20 1	18 -5	18 -8	8 -8	9 -10	11 -8	19 -3	5 -5	7 -5	20 5	41 -6	38 10	37 4	20.3 -10.8	
HANNAH	MAX MIN	19 11	16 -10	8 -28	-11 -33	-2 -30	0 -22	22 -8	3 -26	13 -7	15 -6	25 -2	27 2	22 6	11 -13	12 -18	18 -2	12 8	18 0	12 -6	12 -15	12 -8	8 -13	2 -21	-1 -13	0 -14	-1 -22	17 -13	10 -10	31 -11	33 4	31 4	12.7 -10.8	
HANSBORO	MAX MIN	24 12	19 -3	5 -18	-5 -27	15 -29	15 -7	28 -1	6 -17	15 -8	13 -10	23 -5	25 13	22 9	-9 -9	-14 -14	8 -8	2 -2	18 1	16 2	12 -8	5 -2	1 -12	2 -19	2 -10	6 -16	3 -18	19 -18	-3 -3	36 10	28 0	13.6 -6.8		
HETTINGER	MAX MIN	24 8	19 17	5 -3	-3 -23	22 -25	35 9	34 24	19 -12	23 8	32 12	26 13	26 13	28 12	15 -5	-11 -11	18 2	15 1	19 4	15 3	11 -9	6 -14	4 -9	11 -14	16 -4	10 -5	3 -3	22 -10	18 5	38 10	41 14	35 10	19.5 0.2	
HILLSBORO	MAX MIN	28 20	25 -10	11 -11	-2 -22	1 -23	12 5	29 7	10 -15	17 -5	24 8	30 18	30 25	32 20	24 0	14 -5	18 2	21 12	20 4	14 1	8 -9	8 2	10 -5	11 -7	15 4	9 -5	17 -7	17 5	28 -6	37 9	34 12	18.3 0.7		
JAMESTOWN FAA AIRPORT	MAX MIN	25 21	23 -3	5 -16	3 -17	22 -22	35 7	34 0	19 -12	23 8	32 12	26 13	26 13	27 4	14 -7	12 -11	19 4	16 0	18 1	14 -2	10 -4	5 -8	5 -10	11 -14	15 -4	7 -5	4 -12	21 -4	14 -4	38 14	42 6	34 -1	19.4 -1.9	
JAMESTOWN STATE HOSP	MAX MIN	25 17	25 -1	3 -17	3 -19	23 -19	29 -8	33 20	20 -10	23 3	32 13	26 14	26 13	28 12	-5 -5	-11 -11	18 2	15 1	19 4	15 3	11 -9	6 -14	4 -9	11 -14	16 -4	10 -5	3 -3	22 -10	18 5	38 10	41 14	35 10	19.5 0.2	
KEENE 2 S	MAX MIN	22 10	25 -7	5 -19	5 -20	23 -24	35 20	33 15	25 12	24 15	27 10	33 16	26 10	23 5	19 -6	21 -6	17 3	9 -6	4 -3	6 -8	5 -12	8 -7	5 -18	14 -11	6 -6	9 -7	8 -8	30 -8	20 8	40 27	44 15	31 -0.2	19.9	
KENMARE	MAX MIN	20 7	17 2	6 -18	1 -20	-3 -23	22 -14	36 16	25 -4	20 -3	22 5	32 12	32 10	20 5	-9 -9	-10 -10	16 -3	6 -8	9 0	8 1	10 -10	8 -10	5 -19	2 -11	10 -10	10 -10	0 -15	10 -10	30 2	26 0	40 18	41 -3	16.6 -3.3	
KENSAL WILDLIFE REFUGE	MAX MIN	25 12	23 -1	4 -15	0 -20	20 -24	30 -1	33 22	20 -14	18 3	27 7	27 9	25 11	26 18	18 -1	13 -1	15 1	13 2	18 1	14 1	10 -6	5 -2	3 -11	12 -8	9 -8	7 -8	23 -8	20 5	35 5	43 15	38 12	19.1 -2.2		
LANGDON EXP FARM	MAX MIN	22 10	17 -6	-6 -20	-9 -32	-2 -31	0 -19	23 -6	0 -25	16 -11	15 5	26 3	26 5	23 6	17 -1	5 -14	14 -2	12 2	18 1	13 -2	8 -14	6 -3	4 -12	3 -19	3 -11	-3 -12	0 -21	14 -16	-2 -13	32 4	33 8	31 4	12.0 -8.8	
LARIMORE	MAX MIN	27 14	25 -2	5 -16	5 -21	11 -23	11 -8	26 1	2 -21	14 -8	24 4	30 8	28 8	27 12	-2 -2	-11 -11	21 -2	16 1	20 4	15 -4	10 -11	7 -2	9 -8	13 -6	12 -5	3 -8	6 -15	18 -18	-3 -10	40 6	37 13	47 -4	17.4 -4.3	
LEEDS	MAX MIN	20 17	20 -6	-4 -21	-12 -26	12 -25	11 -8	24 9	18 -2	18 9	23 0	29 12	28 2	22 8	8 -17	-21 -21	6 -6	17 -11	15 9	10 4	7 -1	2 -10	2 -7	12 -24	5 -13	-4 -18	4 -13	20 -13	14 3	35 1	36 12	36 8	13.7 -6.7	
LINTON	MAX MIN	30 24	28 6	6 -9	10 -26	30 -30	39 22	38 18	21 10	26 15	35 5	36 19	32 7	28 18	-8 -8	-12 -12	24 4	12 -2	12 4	15 -7	10 -9	9 -9	5 -17	9 -18	18 -1	12 -5	10 0	27 -2	18 2	39 -2	44 14	42 20	22.5 0.7	
LISBON	MAX MIN	27 15	27 10	13 -5	6 -20	3 -24	24 -1	34 17	31 -15	22 4	29 15	33 13	31 23	31 25	26 0	-12 -12	20 -5	20 2	20 4	19 0	16 -7	12 0	10 -10	9 -16	18 -4	5 -5	21 -3	21 6	-10 12	28 18	39 18	37 12	21.4 0.9	
LOSTWOOD 12 N	MAX MIN	18 10	14 -14	-6 -25	-12 -22	-20 -26	34 11	34 12	-1 -9	4 8	27 4	29 8	25 4	22 6	17 -13	15 -13	14 -3	5 -5	12 10	8 -13	3 -10	6 -12	3 -11	5 -25	-3 -12	3 -3	34 -12	29 0	37 1	40 13	35 17	14.6 -6.6		
MADDOCK AGRI SCHOOL	MAX MIN	26 18	20 -3	-4 -19	-10 -24	18 -24	18 5	29 15	20 -17	15 -1	19 5	30 4	28 5	22 10	14 -16	6 -10	7 -5	15 3	13 0	6 -10	5 -2	0 -16	7 -21	6 -9	4 -10	7 -12	23 -12	20 2	37 -1	40 13	35 9	15.9 -4.4		
MANDAN EXP STATION	MAX MIN	26 16	27 8	9 -6	9 -16	8 -23	29 -20	38 21	33 13	22 13	27 13	31 11	35 11	30 11	-4 -10	-12 -10	13 -1	15 -1	10 -1	13 -1	12 -9	9 -8	8 -13	5 -16	12 -15	13 -4	3 -4	10 -11	27 8	22 0	42 20	44 25	20.0 -0.1	
MANDAN FT LINCOLN PARK	MAX MIN	27 17	24 -1	10 -10	10 -23	29 -23	39 18	36 22	16 16	28 18	32 32	36 18	32 12	24 12	-6 -6	-13 -13	19 -7	15 -3	15 15	14 -4	11 -9	10 -2	4 -14	10 -18	16 -3	10 -6	10 -14	26 6	44 1	47 18	41 15	22.3 1.4		
MARMARTH	MAX MIN	22 14	16 2	6 -6	18 -17	16 -26	36 11	41 18	33 2	30 7	32 4	37 8	42 9	42 9	22 -9	25 -6	33 7	27 1	8 1	10 -9	13 -14	16 -4	7 -20	14 -18	35 -8	32 6	10 6	21 10	45 10	50 14	50 21	26.9 1.6		
MAX	MAX MIN	22 10	23 -3	5 -12	-1 -22	0 -25	21 -20	35 17	25 2	20 7	18 -5	22 3	30 3	23 13	17 -11	13 -11	12 -3	10 -3	7 1	9 -4	10 -5	5 -6	6 -15	3 -15	10 -13	8 -9	0 -13	10 -9	27 3	22 0	40 18	43 17	16.0 -3.8	
MAYVILLE	MAX MIN	20 9	17 6	2 -11	2 -20	1 -21	13 -4	27 4	-15 -5	16 5	27 10	26 15	21 21	28 21	16 0	-7 -7	19 0	16 -3	21 3	17 -9	8 -8	7 -4	10 -7	12 -3	2 -2	5 -4	19 -20	19 1	33 -6	39 9	35 16	17.1 -1.0		
MC CLUSKY	MAX MIN	24 19	23 -4	5 -15	0 -20	22 -23	35 12	33 15	21 -6	20 13	24 5	30 13	28 10	22 10	-11 -11	-11 -11	13 -1	9 -3	15 0	13 0	8 -7	5 -2	0 -17	9 -15	8 -4	7 -8	25 -5	19 4	38 -2	35 21	17.9 -0.9			
MC HENRY 5 N	MAX MIN	25 17	23 -5	3 -20	-8 -27	17 -27	17 -7	26 7	18 -20	16 -5	25 1	27 10	23 7	26 10	11 -10	9 -17	11 -2	13 -3	18 1															

DAILY TEMPERATURES

NORTH DAKOTA
JANUARY 1960

Continued

Station		Day Of Month																																Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MOTT	MAX MIN	24 19	21 2	6 -10	15 -17	31 -25	38 21	34 19	26 -2	30 13	37 19	42 8	32 -2	24 10	21 -8	24 -2	30 5	20 -1	12 -4	11 -4	12 -15	9 -1	11 -20	21 -10	29 -2	22 2	12 -12	40 -15	29 -5	44 0	48 18	35 22	-25.5 -0.5	
MUNICH 4 SW	MAX MIN	22 14	16 -6	6 -22	6 -30	1 -29	13 -9	23 -3	11 -11	10 -7	14 -6	25 -3	24 3	21 8	10 -10	6 -10	11 -5	11 -3	17 3	15 -2	13 -10	4 -5	0 -15	1 -19	10 -16	1 -14	0 -17	21 -16	14 -6	30 -11	33 8	29 4	12.6 -7.9	
NAPOLEON	MAX MIN	28 22	25 0	5 -17	5 -22	27 -25	37 19	35 17	21 9	23 15	29 9	30 17	29 10	27 13	15 -10	14 -17	20 4	5 -5	14 -5	10 5	8 -10	6 -3	4 -10	15 -18	9 -8	7 -4	21 -11	15 9	32 7	46 21	37 20	0.1		
NEW ENGLAND	MAX MIN	23 15	15 3	4 -12	15 -16	31 -25	38 26	33 18	28 2	29 16	35 1	40 10	33 13	25 9	21 -5	30 -1	29 8	16 -1	10 -1	14 -9	9 -7	4 -7	11 -18	31 -5	28 3	10 1	11 -5	40 -11	32 9	44 7	47 21	38 20	25.2 2.0	
NEW SALEM 1 SE	MAX MIN	26 18	22 -3	6 -16	8 -19	28 -23	37 19	34 17	21 6	27 12	28 13	34 16	29 13	20 6	14 -6	4 -2	19 4	13 -6	10 -3	9 -5	8 -9	5 -10	15 -18	15 -4	10 -8	7 -7	23 -7	25 2	40 2	43 30	40 14	20.3 1.1		
NEWTOWN	MAX MIN	23 14	14 -5	1 -15	5 -18	25 -23	37 14	35 17	23 4	24 4	25 2	25 10	23 1	20 8	14 -7	16 -3	14 -5	11 6	6 0	9 -9	7 -5	7 -10	3 -15	6 -11	10 -2	6 -7	35 -12	26 -2	41 0	44 18	40 19	18.9 -1.5		
OAKES	MAX MIN	27 16	26 6	7 -8	9 -23	5 -27	34 5	36 15	28 -7	29 12	28 15	29 12	29 14	30 20	22 -3	13 -8	22 6	18 2	18 5	13 1	11 -8	11 -1	7 -10	6 -17	18 -5	13 -2	6 -2	20 3	20 4	25 6	37 14	34 19	20.4 1.4	
PARK RIVER	MAX MIN	26 11	25 0	0 -15	5 -24	4 -22	4 -9	25 -1	20 -20	16 6	20 6	30 8	28 10	25 9	17 -3	15 -9	17 2	16 15	20 3	18 9	8 -2	6 -6	8 -9	8 -15	8 -11	4 -7	6 -14	12 -12	1 -9	5 5	5 5	-3.5		
PARSHALL	MAX MIN	22 15	16 -1	1 -16	3 -21	24 -24	36 14	34 12	22 6	20 -5	22 5	27 10	22 -3	21 6	12 -11	15 -10	15 -5	10 0	5 -5	9 -10	8 -5	5 -10	2 -18	11 -11	9 -7	10 -8	3 -9	30 -14	26 0	40 4	42 17	17 17	17.9 -3.7	
PEMBINA	MAX MIN	31 7	25 -1	7 -17	6 -22	4 -24	2 -21	25 -8	1 -22	17 -4	16 -8	29 3	28 4	20 8	16 -5	17 -12	21 -4	18 1	22 2	17 -2	14 -12	9 -5	8 -2	12 -3	11 -12	3 -13	3 -15	17 -12	18 -7	33 -11	31 1	29 7	15.6 -6.3	
PETERSBURG	MAX MIN	25 14	24 -4	4 -18	9 -25	10 -25	8 -8	24 0	6 -19	15 9	20 1	29 10	24 9	25 11	12 -6	13 -13	17 0	14 1	18 3	14 -2	10 -11	5 -5	5 -10	10 -14	8 -6	10 -10	14 -14	15 -15	0 -7	7 6	11 11	14.9 -4.9		
PETTIBONE	MAX MIN	24 17	24 2	4 -14	0 -24	22 -25	33 9	34 12	21 6	18 -9	23 7	29 19	25 10	24 11	11 -9	19 -19	14 0	9 -3	15 0	13 -5	5 -10	5 -2	1 -18	10 -15	6 -3	4 -8	21 -15	17 9	33 0	35 8	33 12	16.9 -1.9		
PORTAL	MAX MIN	12 9	5 -22	10 -27	19 -31	19 -10	11 -9	21 -9	17 -4	15 -5	10 3	17 2	11 -11	15 -10	10 -11	7 -3	19 -6	4 -16	7 -15	5 -6	6 -16	6 -15	3 -18	2 -17	10 -17	3 -15	2 -13	15 -15	25 0	32 -1	38 26	39 17	13.6 -8.2	
POWERS LAKE 1 N	MAX MIN	20 10	15 -12	7 -26	1 -27	22 -28	34 13	24 16	22 3	22 -10	32 16	24 -5	20 -15	10 -6	15 -8	15 -3	7 -2	6 -10	7 -6	3 -2	10 -10	6 -6	2 -17	8 -19	3 -10	5 -12	29 -16	19 0	40 -2	43 24	38 18	16.1 -6.1		
RAUB 10 SSW	MAX MIN	23 11	16 -3	4 -13	6 -16	27 -21	39 20	35 20	24 12	26 10	24 4	9 9	20 0	10 -4	21 -1	10 -5	7 3	9 -5	9 -4	7 -10	13 -3	9 -5	5 -10	13 -3	9 -5	8 -2	36 -8	30 2	44 48	48 31	44 20	20.0 0.9		
RICHAROTON ABBEY	MAX MIN	23 18	19 3	3 -11	10 -15	28 -22	37 27	36 18	26 8	29 15	32 11	39 19	37 17	25 13	17 -1	23 12	15 3	10 1	8 -5	11 -7	8 -2	7 -15	22 -10	19 -6	15 -3	8 -3	37 -7	31 0	42 44	44 31	29 20	23.3 4.4		
RIVEROALE	MAX MIN	23 8	24 7	8 -8	5 -17	5 -22	25 -17	20 9	29 11	22 6	24 6	26 6	35 10	23 8	19 -7	14 -5	13 -4	9 -5	8 -1	10 -5	7 -4	6 -12	5 -14	9 -14	6 -6	5 -13	10 -14	4 -6	0 5	25 25	22 22	18.1 -1.0		
ROLLA	MAX MIN	18 13	14 -3	4 -23	6 -27	5 -29	5 -6	26 -4	16 -16	14 -4	13 -3	24 -12	28 12	20 5	12 -6	7 -6	10 -7	5 -1	20 2	15 -6	5 -6	6 -1	4 -16	5 -12	4 -10	0 -14	13 -12	12 -4	0 13	38 36	36 31	34 34	12.6 -5.6	
RUGBY	MAX MIN	23 19	19 -3	18 -18	8 -25	11 -25	14 -5	27 11	20 -14	15 -2	18 -1	28 6	25 -2	20 12	12 -11	10 -15	9 -4	6 -5	15 3	13 -2	5 -10	5 -2	2 -18	5 -10	6 -12	3 -12	4 -12	22 -12	19 2	39 0	41 15	37 14	15.5 -4.8	
SAN HAVEN	MAX MIN	17 13	13 -5	3 -20	18 -28	2 -31	5 -6	22 5	10 -15	10 0	21 2	23 14	18 -3	7 -7	5 -2	3 3	17 -4	15 -7	6 -4	3 -7	3 -4	17 -11	6 -16	3 -14	1 -9	1 -15	14 -13	14 -9	35 -1	34 0	33 19	33 13	10.3 -4.7	
SHARON	MAX MIN	25 9	19 8	8 -16	3 -23	14 -24	14 -7	28 3	13 -17	13 -5	21 4	30 12	27 14	13 -3	13 -10	0 2	1 1	15 -10	15 -7	13 -4	7 -10	3 -3	4 -13	8 -10	10 -4	6 -12	16 -8	14 0	36 -6	38 8	12 12	16.3 -3.3		
STANLEY	MAX MIN	20 11	13 -4	4 -17	2 -20	20 -24	35 15	33 14	20 6	22 -4	21 7	32 9	25 4	20 7	11 -10	17 -9	9 -1	5 -8	6 -5	9 -4	6 -9	6 -9	3 -16	10 -10	4 -10	7 -10	29 -15	20 10	40 1	41 28	37 15	16.6 -2.7		
STEELE	MAX MIN	28 19	24 0	6 -13	6 -19	25 -24	37 16	35 19	23 -19	22 -24	22 17	28 10	30 16	28 11	13 -7	13 -13	18 -1	12 -4	15 2	9 -3	9 -6	9 -3	5 -15	16 -15	2 -12	3 -3	22 -10	20 5	35 -3	42 21	37 15	20.1 0.7		
TIOGA 1 E	MAX MIN	22 10	16 -3	5 -20	3 -21	6 -30	29 -17	34 11	23 5	20 -8	20 4	27 0	27 -3	24 -3	15 -15	11 -12	18 -6	13 -10	3 -3	4 -14	15 -15	3 -20	6 -19	12 -12	6 -9	0 -9	11 -15	26 1	27 -1	38 22	38 16	14.9 -6.7		
TOWNER	MAX MIN	20 14	18 -3	5 -17	9 -27	18 -28	14 -8	29 11	14 -17	15 -1	20 3	30 5	24 -1	21 8	11 -13	15 -16	8 -7	8 -7	14 2	12 -3	5 -8	11 -4	6 -21	7 -15	7 -13	6 -14	7 -21	27 0	42 16	45 14	35 14	16.3 -6.4		
TROTTERS 3 S	MAX MIN	26 18	24 -4	5 -17	2 -20	23 -24	36 12	34 16	26 4	20 6	25 9	33 11	29 6	21 9	12 -12	12 -13	16 -2	10 -3	11 -1	11 -5	12 -4	7 -2	1 -17	10 -18	6 -10	8 -9	21 -12	14 4	40 -1	43 22	39 17	18.9 -1.5		
TURTLE LAKE	MAX MIN	24 18	22 -2	5 -14	2 -20	23 -24	35 15	35 18	25 5	19 8	25 10	32 16	30 13	10 -7	12 -3	9 -1	9 -3	7 -6	9 -1	9 -6	5 -15	5 -13	6 -7	10 -8	9 -4	27 -13	26 2	38 1	37 21	17 17	18.3 0.4			
UNOERWOOD	MAX MIN	22 18	18 -5	5 -19	10 -34	12 -31	13 -9	27 10	12 -18	13 -7	15 -11	20 -7	23 -6	18 6	11 -17	10 -16	8 -12	10 -8	12 -2	7 -10	7 -3	10 -2	7 -10	7 -3	4 -20	5 -12	4 -17	14 5	40 -2	43 12	38 10	14.5 -8.6		
UPHAM 3 N	MAX MIN	26 16	24 10	16 -10	3 -22	3 -21	13 -1	32 9	30 -18	20 0	30 8	27 13	27 6	30 21	11 -10	16 -16	17 6	19 6	18 6	13 4	12 -13	8 0	4 -10	8 -17	14 -4	2 -3	19 -6	18 4	32 -10	42 10	36 21	1.3		
VALLEY CITY	MAX MIN	24 19	20 -3	7 -16	0 -24	22 -23	36 9	35 20	23 -12	20 10	25 13	34 15	29 3	21 13	15 -12	15 -11	13 -5	10 -2	14 2	15 -5	11 -2	8 -7	5 -17	13 -12	6 -13	10 -8	9 -21	29 5	41 0	44 22	40 15	20.2 -1.7		
WAMPETON	MAX MIN	28 18	27 11	11 -7	6 -20	1 -22	20 -3	33 15	27 5	18 1	32 15	30 10	34 29	33 29	32 3	14 -7	22 -2	27 8	24 3	19 0	14 -10	11 3	8 -9	12 -6	15 -2	5 -4	17 -2	18 5	32 8	38 11	35 10	21.2 2.7		
WASHBURN	MAX MIN	22 12	14 -6	4 -12	8 -15	26 -22	37 18	34 17	26 8	27 13	28 8	34 12	28 5	25 12	19 -7	27 5	21 6	14 -3	8 -2	9 -4	8 -6	9 -2	3 -16	19 -8	12 -6	9 -5	11 -2	35 -6	28 3	41 5	4			

DAILY TEMPERATURES

Continued

NORTH DAKOTA
JANUARY 1960

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX MIN	25 18	23 0	5 -12	2 -18	36 36	32 20	32 7	22 14	27 8	38 15	30 14	22 10	12 -3	10 -7	15 4	12 -2	10 0	10 -5	12 -10	10 0	2 -14	8 -13	12 0	8 -7	12 -4	24 -12	27 5	42 0	44 23	40 15	20.6 1.6	
WISHEK	MAX MIN	26 11	27 6	- -6	2 -21	6 -24	- -20	36 36	31 19	19 15	26 15	27 8	29 16	25 -5	15 -16	15 -14	22 -4	10 -1	13 -4	12 -8	7 -3	3 -16	5 -19	11 -12	19 -6	- -7	1 -3	7 4	20 -8	19 16	40 23	43 15	18.7 -2.9

SNOWFALL AND SNOW ON GROUND

Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	SNOWFALL SN ON GND	2.6 7	.5 8	8	8	7	T 6	6	T 6	6	5	4	4	4	4	4	4	T 4	T 4	4	4	4	T 4	4	4	4	4	1.5 6	6	6	5	2	T 1	
AMENIA	SNOWFALL SN ON GND	3.0 3	3	3	3	3	T 3	2.0 5	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	T 3	3	3	3	2	2		
AMIDON	SNOWFALL SN ON GND	1.5 -	T -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T -	-	-	-	T -	-	-	-	-	4.0 -	-	-	-	-	-		
ASHLEY	SNOWFALL SN ON GND	2.0 4	2.0 8	8	6	T 6	T 8	6	6	6	6	6	6	6	6	6	8	T 6	6	6	6	6	6	6	6	6	6	1.0 7	7	7	T 7	5	T 5	
BEACH	SNOWFALL SN ON GND	1.5 2	1.0 3	T 3	T 3	3	T 2	2	2	2	T 2	1	T 1	T 1	T 1	T 1	T 1	T 1	T 1	T 1	T 1	1.0 1	1	1	1	1	2.5 4	4	3	2	2	1		
BELOCOURT INDIAN RES	SNOWFALL SN ON GND	4.0 10	.7 10	10	10	.1 10	.5 10	T 10	1.0 10	11	11	10	10	9	9	9	9	T 9	9	9	9	9	9	9	9	9	9	.2 9	9	T 9	9	8	8	
BEULAH	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -		
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	3.9 4 .3	1.2 7 .3	T 7 .3	T 7 .3	.1 7 .3	T 7 .3	T 7 .3	T 7 .3	4 4 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	3 3 .3	2 2 .2	2 2 .2			
BOTTINEAU	SNOWFALL SN ON GND	1.5 4	2.0 6	6	6	T 6	.5 7	T 7	1.8 7	8	8	8	8	8	8	8	8	T 8	1.1 9	T 9	T 9	T 9	T 9	T 9	T 9	T 9	T 9	T 9	T 9	T 9	7	6		
BOWBELLS	SNOWFALL SN ON GND	4.0 10	2.0 12	.5 12	T 12	T 12	T 12	1.5 12	12	12	12	12	12	12	12	12	12	T 12	.5 12	T 12	T 12	T 12	T 12	12	12	12	12	.5 12	T 12	T 12	T 12	11	10	
BUTTE	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -		
CARSON	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -		
CAVALIER	SNOWFALL SN ON GND	4.0 6	.1 7	7	.1 7	.5 7	T 7	.2 7	.1 7	2.0 9	9	9	9	9	9	9	9	T 9	.1 9	9	T 9	T 9	9	9	9	9	9	9	9	9	9	9	T 9	
CKENTER	SNOWFALL SN ON GND	3.0 10	2.0 12	12	12	12	10	8	8	8	8	8	8	8	8	8	8	T 8	T 8	8	8	8	8	8	8	8	8	8	8	8	7	5	5	
CROSBY	SNOWFALL SN ON GND	4.8 11	.8 12	12	12	.2 13	.7 10	9	9	9	9	9	9	9	9	9	9	T 9	T 9	9	9	9	9	9	9	9	9	9	9	9	8	7	7	
DEVILS LAKE WB CITY	SNOWFALL SN ON GND	7.1 5	1.0 10	T 11	T 11	.6 10	.4 11	T 11	.1 11	.8 10	10	9	9	9	9	9	9	T 8	.2 8	T 8	T 8	.1 8	T 8	8	8	8	8	8	8	8	9	9	8	7
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND	2.0 2	.5 3	T 3	T 3	T 3	T 3	2	2	2	2	2	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	.3 T	T	T	T	T	T	
DUMF CENTER 2 SW	SNOWFALL SN ON GND	1.5 4	1.5 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	T 5	5 8	T 6	T 6	6	5	4	
EDMORE 1 N	SNOWFALL SN ON GND	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	- 7	
FAIRFIELD	SNOWFALL SN ON GND	4.0 6	1.0 7	T 7	T 7	1.0 7	T 7	7	7	7	8	8	8	8	8	8	8	T 8	.5 8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
FARGO WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	2.4 1	1.1 3	4	4	4	4	6	6	6	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
FESSENDEN	SNOWFALL SN ON GND	6.0 9	1.8 11	11	11	.6 12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
FORMAN	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
FORT YATES	SNOWFALL SN ON GND	3.0 8	8	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
FULLERTON	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
GRAFTON	SNOWFALL SN ON GND	8.0 -	- -	- -	- -	.6 T	T	T	T	4.0 -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	

See reference notes following Station Index.

Continued

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
JANUARY 1960

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	4.0 T	2.5 5	.2 6	T 6	T 6	T 6	T 6	1.1 6	7 7	7 7	7 7	T 7	7 7	7 7	7 7	7 7	T 7	1.0 7	T 7	T 6	T 6	8 6	T 6	T 6	T 6	.6 6	T 6	.3 6	T 6	6 6	T 5	
GRAND RAPIDS 1 N	SNOWFALL SN ON GND	4.0 5	1.0 6	6 6	6 6	6 6	5 5	5 5	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	.5 5	5 5	T 5	5 5	5 5	5 5	5 5	5 5	.5 5	5 5	5 5	5 5	3 3	3 3		
GRANVILLE	SNOWFALL SN ON GND	6.0 9	1.0 10	10 10	T 10	T 10	T 10	T 10	1.0 11	11 11	11 11	11 11	11 11	11 11	11 11	11 11	T 11	T 11	T 11	T 11	11 11	11 11	11 11	11 11	1.0 12	12 12	12 12	11 11	10 10	10 10			
HANSBORO	SNOWFALL SN ON GND	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	- 9	
HETTINGER	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	1 1	1 1			
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND	1.0 4	1.0 6	T 6	T 6	.3 6	T 6	T 6	T 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	T 4	T 4	T 4	T 4	.1 4	T 4	T 4	T 4	1.0 4	T 4	T 4	T 4	5 5	5 5	T 3		
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND	3.0 4	1.0 5	5 5	5 5	1.0 5	T 6	T 6	T 6	8 8	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	1.0 7	7 7	T 7	6 6	4 4	4 4		
LANGDON EXP FARM	SNOWFALL SN ON GND	5.0 12	1.0 12	12 12	.2 12	T 12	T 12	T 12	1.0 12	13 13	13 13	13 13	T 13	13 13	13 13	13 13	13 13	T 13	13 13	13 13	T 13	13 13	13 13	13 13	13 13	.3 13	.3 13	13 13	12 12	11 11	11 11		
MAX	SNOWFALL SN ON GND	4.0 6	2.0 10	10 10	10 10	.6 10	T 9	9 9	1.5 11	11 11	11 11	10 10	10 10	10 10	10 10	10 10	T 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	T 10	1.0 11	11 11	11 11	10 10	10 10	10 10		
MAYVILLE	SNOWFALL SN ON GND	6.0 6	.4 6	T 6	T 5	.1 5	T 5	5 5	5 5	5 5	5 5	4 4	T 4	4 4	4 4	4 4	4 4	T 4	4 4	T 4	4 4	4 4	4 4	4 4	4 4	T 4	.6 5	T 5	T 5	4 4	4 4	3 3	
MC CLUSKY	SNOWFALL SN ON GND	4.0 5	1.0 6	6 6	6 6	.1 6	.2 6	8 6	6 6	6 6	6 6	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	4 4	T 4	4 4	4 4	4 4	3 3	3 3	
MC HENRY 5 N	SNOWFALL SN ON GND	3.0 5	1.0 6	6 6	6 6	T 6	.4 6	6 6	T 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	T 6	6 6	6 6	T 6	6 6	6 6	6 6	T 6	1.6 6	6 6	T 6	8 6	6 6	6 6		
MINOT FAA AIRPORT	SNOWFALL SN ON GND	5.0 3	1.2 7	.1 7	T 7	1.3 7	.1 7	T 7	T 7	1.5 9	6 6	6 6	7 7	7 7	7 7	7 7	T 7	.1 7	.2 7	T 7	T 7	T 7	7 7	6 6	T 6	1.0 7	T 7	T 7	T 7	6 6	5 5	T 5	
MOHALL	SNOWFALL SN ON GND	5.0 6	T 6	8 6	8 6	6 6	6 6	6 6	2.0 8	8 8	6 6	6 6	8 6	6 6	6 6	6 6	6 6	8 6	6 6	T 6	6 6	6 6	6 6	6 6	8 6	.5 9	9 9	9 9	- 9	6 6	5 5	5 5	
MOTT	SNOWFALL SN ON GND	- 3	- 3	- 3	- 3	- 3	- 3	- 2	- 2	- 2	- 2	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	2 2	2 2	- 2		
MUNICH 4 SW	SNOWFALL SN ON GND	3.0 5	2.0 7	2.0 7	T 7	.1 7	T 7	T 7	1.5 6	6 6	6 6	6 6	8 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	T 6	6 6	6 6	6 6	6 6	6 6	.5 6	6 6	6 6	6 6	7 7	.4 7	
NAPOLEON	SNOWFALL SN ON GND	2.0 3	1.0 4	T 4	T 4	T 4	T 4	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	T 3	T 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	T 3	3 3	3 3	3 3	3 3	3 3		
PARSHALL	SNOWFALL SN ON GND	2.0 5	1.0 6	6 6	6 6	T 6	T 6	6 6	.5 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	T 7	T 7	T 7	T 7	T 7	7 7	7 7	7 7	7 7	T 7	7 7	7 7	7 7	5 5	4 4		
PETERSBURG	SNOWFALL SN ON GND	3.0 6	2.0 6	6 6	6 6	.1 6	T 6	6 6	.4 8	6 6	6 6	6 6	6 6	6 6	6 6	6 6	8 6	6 6	T 6	6 6	6 6	6 6	6 6	6 6	6 6	.5 6	6 6	6 6	8 7	7 7	7 7		
PETTIBONE	SNOWFALL SN ON GND	2.0 5	1.0 6	6 6	6 6	1.0 6	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	1.0 7	6 6	6 6	6 6	6 6	6 6		
RIVERDALE	SNOWFALL SN ON GND	2.0 5	3.0 6	T 6	T 7	7 7	T 6	6 6	T 6	8 6	6 6	5 5	5 5	5 5	5 5	5 5	5 5	T 5	T 5	5 5	5 5	5 5	5 5	5 5	5 5	T 5	T 5	5 5	5 5	5 5	T 3		
SHARON	SNOWFALL SN ON GND	4.0 4	1.0 5	5 5	5 5	T 5	.5 5	T 5	1.0 5	5 5	5 5	5 5	T 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	2.0 7	T 7	7 7	6 6	5 5	5 5	
STANLEY	SNOWFALL SN ON GND	3.0 6	1.0 9	9 9	8 8	.5 6	6 6	6 6	1.5 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	T 7	.3 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	1.0 8	6 6	6 6	7 7	5 5	5 5		
WAHPETON	SNOWFALL SN ON GND	4.0 -	3.0 -	- -	- -	- -	1.5 -	- -	- -	- -	- -	- -	- -	- -	- -	- -	T -	- -	- -	- -	- -	- -	- -	- -	- -	1.0 -	- -	- -	- -	- -	- -		
WATFORD CITY	SNOWFALL SN ON GND	3.0 7	1.0 8	6 6	6 6	- 6	- 6	5 5	5 5	1.0 6	6 6	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	4 4	3 3	2 2	2 2	
WILLISTON WB CITY	SNOWFALL WTR EQUIV	3.6 4	.5 7	7 7	T 7	.2 7	T 7	5 7	1.1 7	1.1 6	6 6	6 6	5 6	5 6	5 6	5 6	5 6	.1 5	T 5	T 5	T 5	5 5	5 5	5 5	5 5	5 5	T 5	.4 5	5 5	4 4	4 4	3 3	2 2
WILLOW CITY	SNOWFALL SN ON GND	2.0 4	2.0 6	6 6	5 5	.3 5	T 5	5 5	5 5	4.0 9	9 9	9 9	9 9	9 9	9 9	9 9	9 9	T 9	9 9	T 9	T 9	9 9	9 9	9 9	9 9	9 9	.2 9	T 9	9 9	9 9	6 6	8 8	

MONTHLY EXTREMES

Highest Temperature: 53° on the 30th at Medora 3 NNE

Lowest Temperature: -35° on the 5th at Medora 3 NNE

Greatest Total Precipitation: 1.43 inches at Biebee

Least Total Precipitation: 0.12 inch at Two stations

Greatest one-day Precipitation: 0.83 inch on the 1st at Leede

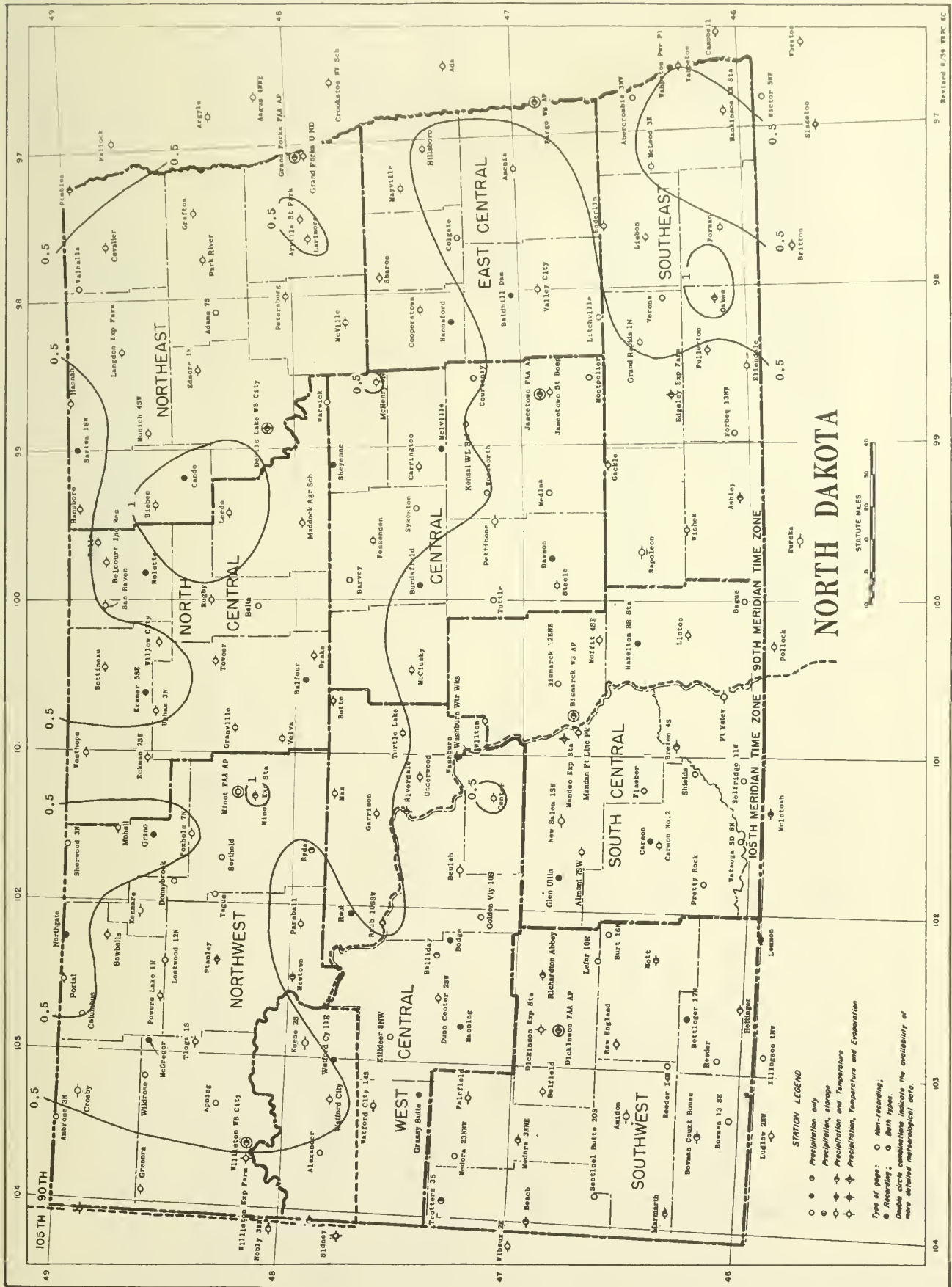
Greatest Total Snowfall: 15.6 inches at Bisbee

Deepest Snow on Ground: 17 inches on the 29+ at Two stations

See reference notes following Station Index.

TOTAL PRECIPITATION

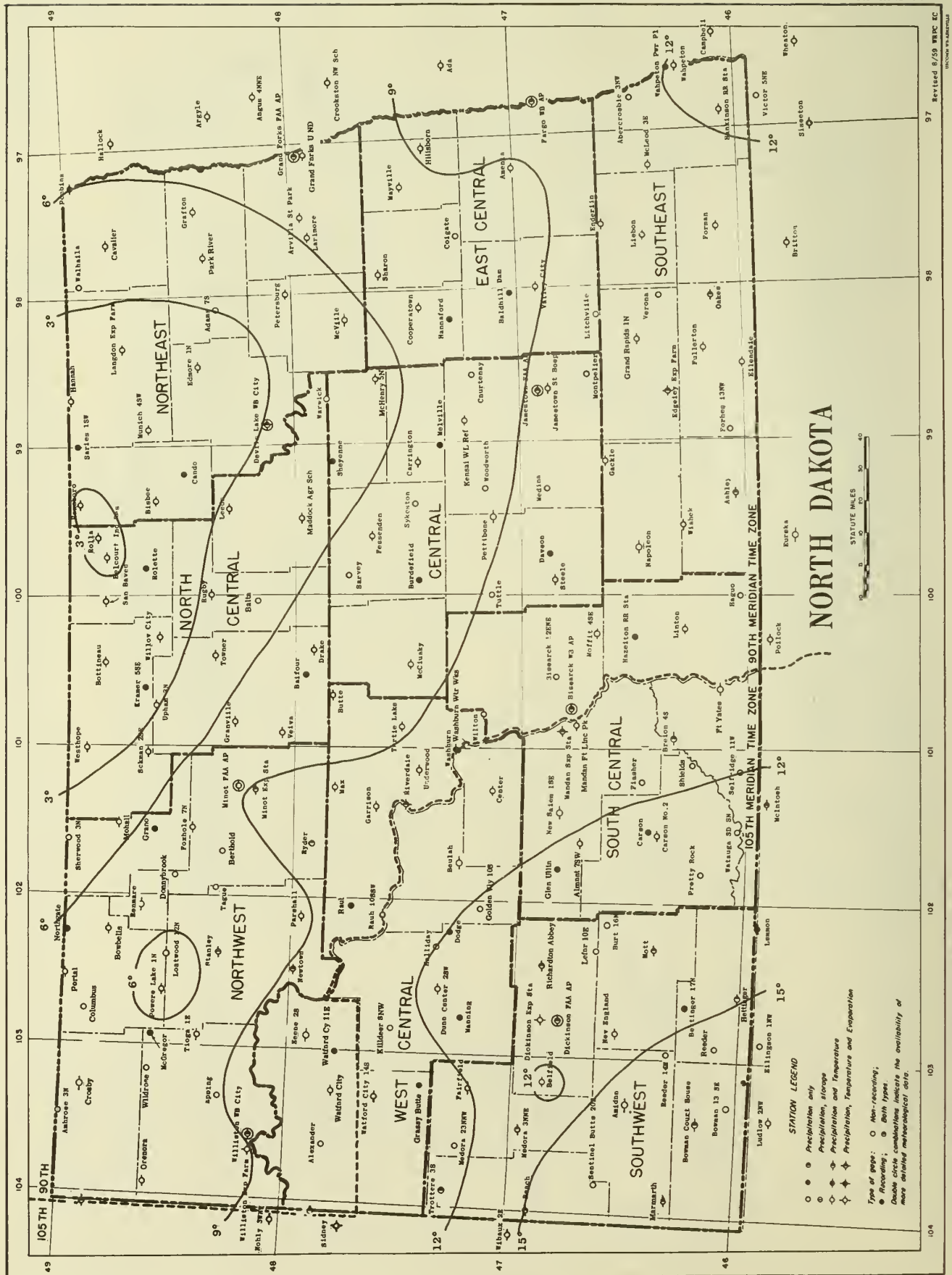
JANUARY 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

JANUARY 1960



STATION INDEX

NORTH DAKOTA
JANUARY 1960

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES			OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES			OBSERVER
							TEMP	EVAP	SPECIAL									TEMP	EVAP	SPECIAL	
ABERCROMBIE 1 NW	0005	RICHMOND	10	46 28	96 47	935	8A			HELMER AMUNDSEN	PENBINA	6941	PENBINA	10	48 58	97 14	780	6P	6P	C	SIDNEY W. DOUGLAS
ADAMS 7 S	0022	WALSH	10	48 20	98 06	1154	6P			MYRON J. BATA	PETERSBURG	7027	NELSON	10	48 01	98 00	1524	4P	6P	H	MARVIN BROTON
ALEXANDER	0096	MCKENZIE	13	47 50	103 18	2185	6P			ORAL J. QUALLE	PORTLAND	7041	KIDDER	8	47 07	99 31	1855	7P	7P		ARTHUR J. DECKEY
ALMONT 7 SW	0136	MORTON	8	46 43	101 39	2360	7P			HODAN RAMLAND	PORTLAND	7201	BURKE	12	49 00	102 33	1954	9A	9A		U S CUSTOMS OFFICE
AMAROSE 3 N	0189	DIVIDE	12	49 00	103 28	2027	5P			U S BORDER STATION	POWERS LAKE 1 N	7281	BURKE	8	48 34	102 38	2205	7P	7P		HERBERT J. CLARY
AMFNA	0194	CASS	11	47 00	97 13	960	5S	5S		H VIRGIL L. GEBERKE	PRETTY ROCK	7311	GRANT	1	46 10	101 51	2480	6P			FREDA LEER
AMIDON	0209	SLOPE	1	46 29	103 19	2910	8A	8A		ERED FLENER	SAN MARY	7405	MCKEAN	8	47 44	102 04	1861	6P			ANNY M. MAHLBRAT
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 36	97 30	920	6P	6P		VERNON C. THOREN	RAUB 10 SSW	7408	MCKEAN	8	47 36	102 05	1958	6P			LYLE P. HOLTH
ASHLEY	0382	MCINTOSH	8	46 02	99 22	2001	5S	5S		U S CORPS OF ENGINEERS	REEDER	7450	ADAMS	3	46 06	102 57	2810	6P			A. V. KITTLESON
BALDWIN DAM	0450	BARNES	11	47 02	98 02	1300					REEDER 14 N	7452	SLOPE	1	46 19	102 57	2704	8A			CHAS. M. METZINGER
BALFOUR	0492	MCKENRY	12	47 57	100 32	1615				C ENIL ROOSTAD	RICHARDSON ARBY	7530	STARK	4	46 53	102 19	2470	5P	5P		ASSUMPTION ARBY
BALTA	0500	PIERCE	11	48 10	100 02	1550	6P			ANTON SCHWALTZ	RIVERDALE	7585	MCKEAN	8	47 30	101 21	1950	8A	8A	C	U S CORPS OF ENGINEERS
BELLEVILLE	0550	GOLDEN VALLEY	7	46 55	104 01	2824	6A	6A		H LUTHER E. HODGINS	ROLLETT	7655	ROLLETT	12	48 40	99 50	1630	6P			HENRY JOHNSON
BELMONT INDIAN RES	0626	ROLETTE	9	48 50	99 45	1960	7P	7P		H TURTLE MT INDIAN AGENCY	ROLLA	7664	ROLLETT	2	48 52	99 37	1819	7P	7P		THOMAS B. FAGERLUND
BELFIELD	0639	STARK	4	46 53	103 11	2583	7P	7P		CARL UNDERGAARD	RUGBY	7704	PIERCE	12	48 22	100 00	1560	6P			FRANK HORNSTEIN
BERTHOLD	0729	WARD	12	48 19	101 44	2080	6P			JOAN COX	RYDER	7749	WARD	8	47 55	101 40	2108	6P			C. C. SCHELLENBAUM
BELHURST	0766	MERCER	8	47 16	101 49	1787	7P	7P		H MONT OAK UTILITIES CO	SAN MARY	7824	ROLLETT	12	48 50	100 02	2003	6P			STANLEY DOWLING
BIRNIE	0786	TOWNER	2	48 37	99 22	1600	6P	6P		ROBERT J. KRICK	SARLES 1 SW	7844	TOWNER	4	48 56	99 00	1602	6P			C. O. OVIDE, MADLAND
BISMARCK WB AIRPORT	0819	BURLINGAME	8	46 46	99 45	1650	MID	MID		C H U S WEATHER BUREAU	SELFIDGE 5 W	7952	SIOUX	1	46 02	101 06	2229	6P			JOSEPH MOSSITT
BISMARCK 12 ENE	0827	BURLINGAME	8	46 51	100 33	1709	6P			KFVR TRANSMITTER	SENTINEL BUTTE 20 S	7976	GOLDEN VALLEY	7	47 37	103 47	1937	6P			G. E. BURY
BOTTINEAU	0941	BOTTINEAU	12	48 50	100 27	1640	8A	8A		H N D SCHOOL OF FORESTRY	SHARON	7985	STEELE	10	47 36	97 56	1516	8P			H HUGH LYON
BOWNEVILLE	0961	BURKE	12	48 48	102 15	1953	8A	8A		H FELIX L. ADAMS	SHERWOOD 3 N	8047	RENNVILLE	12	49 00	101 38	1847	6P			U S CUSTOMS OFFICE
BOWMAN COURT HOUSE	0995	BOWMAN	3	46 11	103 23	2980	5P	5P		C GEORGE D. PETERSON	SHEYENNE	8057	EDDY	11	47 50	99 07	1480	6P			ALVIN H. KENNEDY
BOWMAN 13 SE	0998	BOWMAN	3	46 02	103 18	2830	6P			C GEORGE WIRSCH	SHIELDS	8065	GRANT	1	46 14	101 07	1806	6P			JAMES W. ROEDERMAN
BRIDGEMAN	1052	SIOUX	1	47 24	100 36	1720	6P			C ANNA C. PEDERSON	STANLEY	8276	MOUNTRAIL	8	48 19	102 24	2260	7P	7P	C	N. G. EVANS
BURT 18 N	1216	HETTINGER	1	46 36	102 08	2344	6P			H JACOB GRUBBLE	STEELE	8366	KIDDER	8	46 51	99 55	1857	6P			STEELE OZON PRESS
BUTTE	1225	MCKEAN	12	47 50	100 40	1805	8A	8A		H SAM KRITSKY	SYKESTON	8608	WELLS	5	47 28	99 24	1634	4P			EDWARD SONAG
CANDON	1288	TOWNER	2	48 29	99 22	1481	8A	8A		C HARRY E. HARRIS	TAGSTON	8627	MOUNTRAIL	12	48 20	101 56	2179	6P			W. R. ELLINGBOE
CARRINGTON	1360	POSTER	5	46 27	99 08	1586	6A	6A		C ANDREW C. HEINITZ	TIGDA 1 E	8737	WILLIAMS	8	48 24	102 55	2245	8A	8A		SIGNAL OIL AND GAS
CARSON	1370	GRANT	4	46 25	101 31	2310	6A	8A		H JACK STEWART	TOWNER	8792	MCKENRY	12	48 21	100 24	1482	7P	7P		AUGUST B. REIDER
CENTER	1435	PENBINA	9	48 48	97 38	869	6P	6P		H WILLIE HANSEN PICO	TROTTERS 3 S	8812	GOLDEN VALLEY	13	47 17	103 54	2420	6P	6P	C	JOHN O. NELLEMEYER
CENTER	1456	OLIVER	8	47 07	101 18	2100	7P	7P		H FRED L. HEINZ	TURTLE LAKE	8840	MCKEAN	8	47 31	100 53	1889	6P	6P		WALTER L. RENFROW
COLGATE	1466	STEELE	10	47 14	97 39	1180	6P			H JOHN P. BURCHILL	TUTTLE	8850	KIDDER	8	47 08	100 00	1880	5P			THEODORE C. OCHSNER
COLUMBUS	1494	BURKE	12	48 07	98 52	1671	MID	MID		C J. O. SUNDEL	UNDERMOUNT	8872	MCKEAN	8	47 27	101 08	2026	6P			CLARENCE W. JOHNSON
COOPERSTOWN	1764	GRIGGS	11	47 26	98 07	1428	5P	5P		C DELAND W. MARSON	UPPER 3 N	8913	MCKENRY	12	48 37	100 44	1425	5P	5P		U S FISH AND WILDLIFE
COURTNEY	1814	STUTSMAN	5	47 15	98 36	1523	6P			G. W. HANAWALT	VALLEY CITY	8937	BARNES	11	46 55	98 00	1230	6P			GEORGE M. KENNEDY
CROSBY	1871	DIVIDE	12	48 34	103 18	1952	6P	6P		H JOHN ANDRIST	VELVA	8990	MCKENRY	12	48 03	100 55	1511	6P	6P		R. R. AYERS
DANSON	2018	KIDDER	8	46 52	99 45	1730				C H JACOB L. BILLINGTON	VERONA	9035	LA MOURE	5	46 22	98 05	1382	6P			WARREN O. TANG
DEVILS LAKE WB CITY	2158	RANGELY	2	48 07	98 52	1671	MID	MID		C U S WEATHER BUREAU	WAMPETON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962	6P			C OTTER TAIL PWR PL
DICKINSON FAA AIRPORT	2183	STARK	4	46 47	102 48	2595	MID	MID		C H U S FED AVIATION AGENCY	WAMPETON	9100	RICHLAND	10	46 16	96 36	960	6P	6P	H	WAMPETON WATER PLANT
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7A	7A		C DICKINSON EXP STATION	WALMALLA	9155	PENBINA	9	48 55	97 55	950	6P			FELIX A. GASTONGUAY
DODGE	2215	UNION	6	47 18	102 12	1989	6P			C THEODORE ISAAC	WARWICK	9185	BRAND	11	47 51	98 42	1470	6P			VIRGIL B. JOHNSON
DORNBROOK	2242	WARD	10	46 31	101 53	1656	6P			C BERNICE SONNENBERG	WASHBURN	9195	MCKEAN	8	47 17	101 02	1760	5P	5P		JUDY BORLAUG
DRAKE	2298	MCKENRY	12	47 55	100 22	1634	8A	8A		C ED J. EVANS	WATFORD CITY	9219	GRANT	1	46 02	101 34	2074	6P			MARY E. KATZ
DUNN CENTER 2 SW	2365	UNION	6	47 20	102 36	2232	7A	7A		C CHESLEY M. DINKINS	WATFORD CITY	9233	MCKENZIE	8	47 48	103 17	2100	8P	8P		H J. C. ZELLER
ECKMAN 2 SE	2472	BOTTINEAU	12	48 39	101 01	1495	7A	7A		C JOHN H. ZURCHER	WATFORD CITY 11 E	9236	MCKENZIE	8	47 47	103 02	2130				C IDA PETERSON
EDELYNE EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	8A	8A		C H N D AGRICULTURE EXP ST	WATFORD CITY 14 S	9248	MCKENZIE	7	47 36	103 17	1965	5P	5P		THEO. ROOSEVELT NMP
ELANDER 1 N	2525	WILLIAMS	8	48 03	98 15	1639	8A	8A		C H MICHAEL H. COLLINS	WESTMOPE	9333	BOTTINEAU	12	48 55	101 01	1508	9P	9P		HARRY KLINE
ELLEDALE	2605	DICKEY	5	46 00	98 31	1480	8P	8P		C NALCOLD O. GOODARD	WILLORE	9400	WILLIAMS	8	48 38	103 10	2258	6P			C H U S WEATHER BUREAU
ENDERLIN	2695	RANDOLPH	11	46 37	97 36	1120	7A	7A		C LEONARD PETERSON	WILLISTON WB CITY	9425	WILLIAMS	8	48 09	103 37	1877	MID	MID		C H U S WEATHER BUREAU
EPING	2735	WILLIAMS	8	48 17	103 21	2224	6P			C E. F. CARPENTER	WILLISTON EXP FARM	9430	WILLIAMS	8	48 09	103 41	2105	6P	6P		H HOWARD W. OLSON
FAIRFIELD	2809	BILLINGS	7	47 11	103 13	2750	6P	6P		C JOHN PETERSSON	WILLOW CITY	9449	BOTTINEAU	12	48 36	100 17	1471	6P	6P		H WRS. O. M. SANDERSON
FARGO WB AIRPORT	2859	CASS	10	47 34	96 48	1895	MID	MID		C H J. E. PURDY	WILTON	9455	MCKEAN	8	47 09	100 48	2371	6P	6P		EDWIN PETERSON
FESSENDEN	2949	WELLS	5	47 39	99 37	1620	6P	6P		C H EMIL E. RUST	WILTON	9515	MCINTOSH	8	46 16	99 34	2010	8A	8A		J. M. HELLERUP
FLASHER	3009	MORTON	1	46 27	101 14	1930	8A			C GEORGE W. SINCLAIR	WOODMORTH	9575	STUTSMAN	5	47 09	99 18	2041	6P			CHESTER W. THOMPSON
FORBES 13 NW	3064	DICKEY	5	46 04	98 56	1988	6P			C THEODORE A. WIRCH	CLOSED STATIONS										
FORMAN	3117	SARGENT	10	47 06	97 39	1249	6P			C H N. WATERMAN	CARSON	1365	GRANT	4	46 25	101 34	2300				C VINCENT MUGILL
FORT YATES	3207	SIOUX	1	46 06	100 36	1640	8A	8A		C H SOIL CONSERVATIONIST	WASHBURN WATERWORKS	9205	MCKEAN	8	47 17	101 02	1730				C WASHBURN WATERWORKS
FORTOLM 7 N	3217	WARD	10	46 27	101 34	1609	5P	5P		C H U S WILDLIFE REFUGE											
FULLERTON	3287	DICKEY	5	46 10	98 25	1439	6P	6P		C H F. O. ALIN											
GACKLE	3309	LOGAN	5	46 38	99 08	1951	6P	6P		C ALVIN HUMMEL											
GARRISON	3376	MCKEAN	12	47 36	101 25	1911	7A	7A		C ALBERT DEJERLE											
GLEN ULLIN	3476	MORTON	4	46 49	101 49	2090	6P			C FREDERICK J. ANHORN											
GOLDEN VALLEY 10 S	3526	MERCER	8	47 10	102 03	1870	6P			C ROBERT M. BACKFISCH											
GRATON	3594	WALSH	10	48 25	97 25	1501	5P	5P		C GRATON STATE SCHOOL											
GRAND FORKS FAA AIRPORT	3616	GRAND FORKS	10	47 36	97 05	832	MID	MID													

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, B, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Weighing Rain Gage Recording Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- J "Supplemental Data" Table.
- B "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

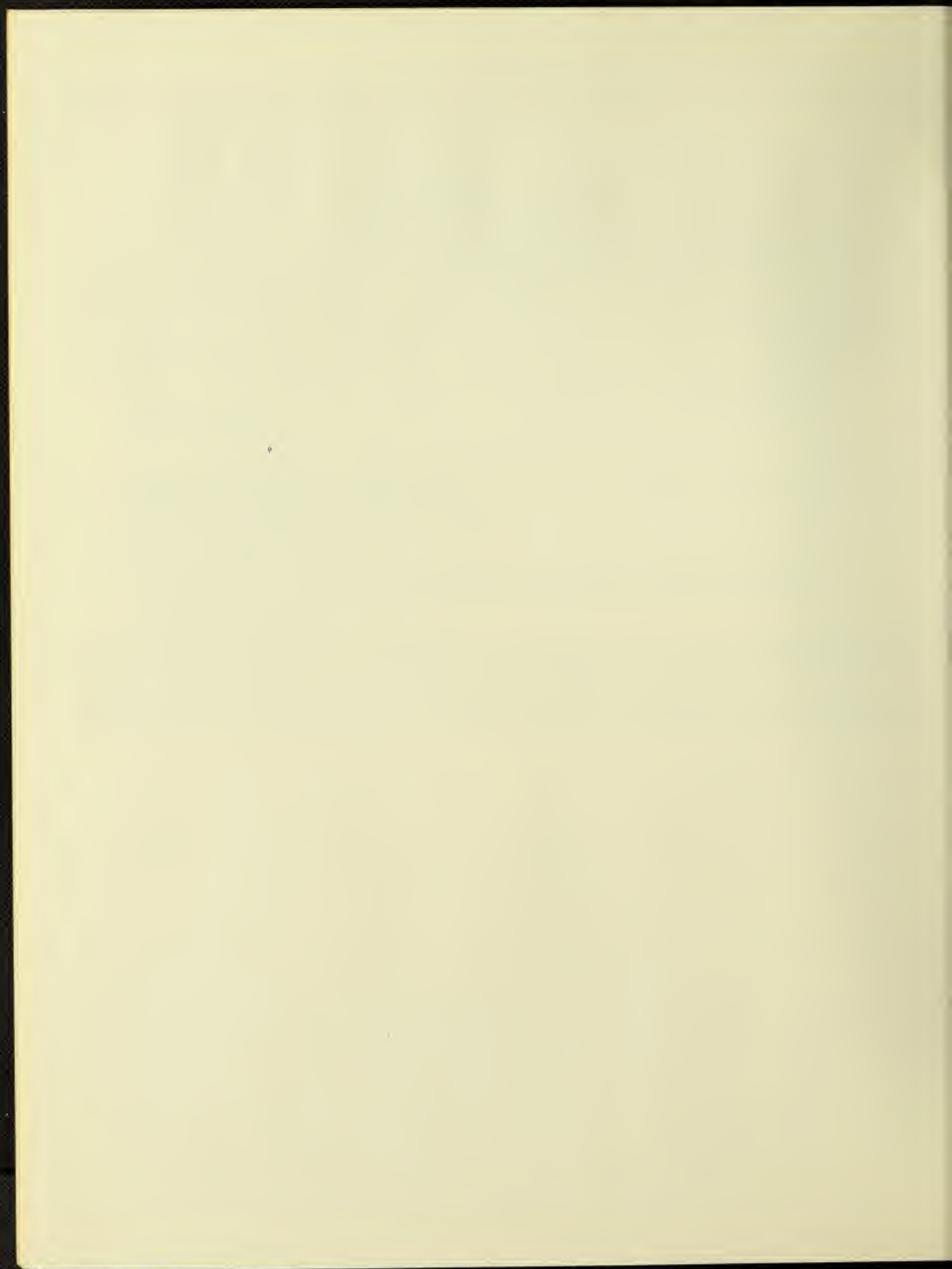
Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest issues of Local Climatological Data Annual, obtained as indicated above, price 15 cents.

USCOMM-WB-ASHEVILLE---3-10-60---825





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U. S. DEPARTMENT OF COMMERCE

FREDERICK H. MUELLER, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

FEBRUARY 1960

Volume 69 No. 2



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ASHEVILLE: 1960

NORTH DAKOTA - FEBRUARY 1960

WEATHER SUMMARY

The several storms that crossed the State during February were considered as being far from severe. These storms contributed less than the normal amount of precipitation in all sections. During the second week cold Arctic air began to settle down across the State and by the third week all of the State was dominated by the cold air mass. During this period the clear calm nights permitted extensive radiational cooling. This produced much below zero temperatures over all of the State for an extensive period. The low temperatures kept the snow dry and in a powdery condition. Because of this there were frequent occasions of some blowing and drifting snow during the daytime hours the latter half of the month.

Sanford R. Miller
State Climatologist
U. S. Weather Bureau
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 54° on the 7th at Hettinger

Lowest Temperature: -30° on the 19th at Grafton

Greatest Total Precipitation: 0.54 inch at Forbes 13 NW

Least Total Precipitation: Trace at Numerous Stations

Greatest one-day Precipitation: 0.40 inch on the 3d at Verona

Greatest Total Snowfall: 7.0 inches at Arvilla State Park

Deepest Snow on Ground: 16 inches on the 2+ at Bisbee

SUPPLEMENTAL DATA

NORTH DAKOTA
FEBRUARY 1960

Station	Wind direction		Wind speed			Relative humidity averages				Number of days with precipitation									
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total	Percent of possible sunshine	Average sky cover sunrise to sunset
BISMARCK WB AIRPORT	WNW	14	11.7	42	W	8+	82	81	77	76	17	5	0	0	0	0	22	42	7.1
DEVILS LAKE WB CITY	NW	-	7.4	45	NW	8	-	-	-	-	17	6	0	0	0	0	23	71	6.8
FARGO WB AIRPORT	N	29	14.4	54	NW	8	79	78	76	78	15	3	0	0	0	0	18	63	6.5
WILLISTON WB CITY	SE	-	6.7	33	W	7	-	78	72	71	10	9	1	0	0	0	20	49	7.9

CLIMATOLOGICAL DATA

Station		Temperature												Precipitation																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Average Maximum Minimum		Average Maximum Minimum		Average		Departure From Long Term Means		Highest		Date		Lowest		Date		No of Days				Total		Departure From Long Term Means		Greatest Day		Date		Snow, Sleet			No of Days																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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CLIMATOLOGICAL DATA

NORTH DAKOTA
FEBRUARY 1960

CONTINUED

Station	Temperature												Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										90° or Above	70° or Above	32° or Below	0° or Below					Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More
TURTLE LAKE	21.8	1.2M	11.5M		43	8+	-20	19	1543	0	23	29	17	.11		.04	16+		6	6+	0	0	0
UNDERWOOD 4 ESE	20.6	2.1	11.4		43	8	-16	19	1553	0	23	29	17	.11		.04	16				0	0	0
WASHBURN	23.0	4.3	13.7	- 0.7	46	7	-17	19	1484	0	21	29	14	.25	-.30	.08	17		2	29+	0	0	0
WATFORD CITY	24.5M	5.3M	14.9M	- 0.6	44	7	-15	27+	1449	0	21	29	10	.10		.04	16	2.0	3	3+	0	0	0
WATFORD CITY 14 S	26.9M	2.9	14.9M		50	7	-18	27	1456	0	19	29	12	.02		.02	15	.5			0	0	0
WILTON	20.9	2.9	11.9		44	7	-18	29	1538	0	24	29	16								0	0	0
DIVISION			12.3	- 0.4										.15	-.29			1.9					
CENTRAL DIVISION																							
CARRINGTON	19.1	- 1.7	8.7	- 1.4	40	8	-19	19	1628	0	24	29	21	.29	-.19	.12	16	4.2	6	3+	2	0	0
FESSENDEN	22.0	- 0.5	10.8	0.0	41	8	-20	19	1570	0	23	29	17	.20	-.31	.12	16				1	0	0
JAMESTOWN FAA AIRPORT	20.7	0.7	10.7		37	7	-18	19	1569	0	23	29	18	.46		.20	4	4.1	3	7+	2	0	0
JAMESTOWN STATE HOSP	20.5	2.9	11.7	- 0.6	41	8	-17	19	1540	0	22	29	18	.51	-.06	.18	4	2.2			2	0	0
KENSAL WILDLIFE REFUGE	21.9	0.4	11.2		40	8	-20	19	1557	0	22	29	19	.23		.14	4	1.5	5	16	1	0	0
MC CLUSKY	20.6	0.7	10.7	- 0.9	40	7	-17	19	1573	0	23	29	18	.14	-.37	.06	16	.8	3	10+	0	0	0
MC HENRY 5 N	19.4	- 2.7	8.4		38	8	-25	19	1638	0	26	29	20	.16		.11	4	1.3	9	29+	1	0	0
PETTIBONE	18.9	- 1.3	8.8	- 1.8	39	8	-25	19	1626	0	24	29	19	.13	-.37	.08	16		8	29+	0	0	0
STEELE	21.8	2.0	11.9	0.3	41	8	-19	19	1535	0	22	29	19	T	-.37	T	29+	T	4	3+	0	0	0
DIVISION			10.3	- 0.7										.24	-.24			2.0					
EAST CENTRAL DIVISION																							
AMENIA	22.1	3.1	12.6		40	7	-16	19	1514	0	26	29	16	.24		.10	4+	1.0	3	29+	2	0	0
COOPERSTOWN	21.0M	- 2.3M	9.4M		40	8	-24	19	1613	0	24	29	19	.35	-.28	.21	3	4.3	9	14+	2	0	0
FARGO WB AIRPORT	20.2	2.4	11.3	0.5	38	8+	-17	19	1550	0	27	29	17	.06	-.63	.23	3	1.2	4	14+	0	0	0
HILLSBORO	21.6	2.5	12.1	1.3	40	8	-17	19	1530	0	24	29	18	.37	-.17	.33	3	3.0			1	0	0
MARVILLE	19.4	1.1	10.3	- 1.0	40	8	-20	19	1582	0	25	29	17	.50	-.03	.39	3	3.1	6	4	2	0	0
SHARON	19.8	- 0.8	9.5	0.0	39	8	-21	19	1606	0	26	29	18	.28	-.19	.18	3	3.0	7	29+	2	0	0
VALLEY CITY	21.0M	- 0.4M	10.3M	- 2.8	40	7	-25	19	1589	0	23	29	18	.35	-.14	.22	3		8	29+	2	0	0
DIVISION			10.8	- 0.2										.31	-.21			2.6					
SOUTHWEST DIVISION																							
AMIDON	24.6	6.8	15.7		48	8	-16	28	1425	0	18	29	11	.13		.04	18	6.0			0	0	0
BEACH	24.5	4.5	14.5		48	8	-19	28+	1459	0	19	29	12	.18		.08	16	3.0	3	29+	0	0	0
BELFIELD	24.6	6.0	15.3		52	7	-15	28+	1438	0	19	29	12	T		T	23+				0	0	0
BOWMAN COURT HOUSE	25.4	6.5	16.0	- 1.7	52	7	-15	28	1416	0	17	29	12	.05		.02	27	.5	T	29+	0	0	0
DICKINSON FAA AIRPORT	23.6	7.1	15.4		48	7	-12	28	1434	0	17	29	13	.12	-.33	.10	27		2	28+	1	0	0
DICKINSON EXP STATION	24.0	4.8	14.4	0.5	48	8	-19	28	1463	0	19	29	13	.17		.05	17+	3.0	8	29+	0	0	0
FAIRFIELD	22.4	4.7	13.6		46	7	-16	28	1465	0	19	29	12	.15	-.14	.05	11+				0	0	0
HETTINGER	24.0M	6.3M	15.2M	- 3.1	54	7	-22	28+	1435	0	18	29	13	.17	-.28	.05	17+	2.4	1	18+	0	0	0
MARMARTH	26.2	4.4	15.3	- 3.4	52	8	-22	27	1450	0	19	29	12	.15		.07	25	4.0			0	0	0
MEDORA 3 NNE	28.0	1.7	14.9		53	7	-16	28	1423	0	19	29	13	T	-.41	T	26+	2	6+		0	0	0
MOTT	25.7M	5.0M	15.4M	- 1.7	50	7	-14	21	1428	0	19	29	10	.06	-.53	.03	16+	2.0	1	29+	0	0	0
NEW ENGLAND	25.2	6.0	15.6	- 1.8	50	7	-12	28+	1443	0	20	29	11	.14	-.41	.06	11	4.8	3	11	0	0	0
RICHARDTON ABBEY	23.8	6.2	15.0	- 1.1	49	7	-19	27	1451	0	20	29	11	.11		.04	17	3.1	2	29+	0	0	0
TROTTERS 3 S	23.8	5.9	14.9		48	7	-19	27	1451	0	20	29	11								0	0	0
DIVISION			15.1	- 2.1										.11	-.35			3.2					
SOUTH CENTRAL DIVISION																							
ALMONT 7 SW	22.6	5.0	13.8		46	7	-15	21	1478	0	23	29	14	.12		.05	17	2.4	2	29+	0	0	0
BISMARCK WB AIRPORT	22.5	6.3	14.4	1.7	44	7	-12	19	1460	0	21	29	12	.15	-.30	.08	2	2.2	3	3	0	0	0
BREIEN	24.9	4.1	14.5		45	8+	-20	19	1455	0	21	29	14								0	0	0
CARSON	22.3	4.1	13.2	- 1.9	45	8	-16	19	1495	0	23	29	14	.07	-.48	.04	11				0	0	0
FORT YATES	24.2M	3.9	14.1M	- 2.4	48	8	-18	19	1472	0	21	29	14	.09	-.36	.03	28				0	0	0
LINTON	24.1	2.9M	13.5M	- 1.2	43	8	-20	19	1483	0	22	29		.17	-.22	.07	4	.6	4	29+	0	0	0
MANDAN EXP STATION	21.4	3.2	12.3	- 0.7	44	8	-17	19	1520	0	25	29	15	.01	-.47	.01	17	1.0	4	3+	0	0	0
MANDAN FT LINCOLN PARK	23.7	4.0	13.9		45	7	-11	28	1477	0	21	29	16	.02		.02	2				0	0	0
MOFFIT 4 SE	21.6M	- 0.6M	10.5M		41	7+	-22	19	1586	0	22	29	18	T		T	29+	2.5	3	2+	0	0	0
NEW SALEM 1 SE	21.2	2.6	11.9	- 2.6	44	7	-17	19	1532	0	23	29	16	.23	-.25	.06	17				0	0	0
DIVISION			13.2	- 2.0										.10	-.37			1.3					
SOUTHEAST DIVISION																							
ASHLEY	19.8	- 0.7	9.6	- 2.9	39	8	-26	19	1602	0	24	29	18	.29	-.15	.13	4	4.0	8	6+	2	0	0
EDGELEY EXP FARM	22.0	3.0	12.5	- 0.6	45	8	-16	20+	1513	0	24	29	18	.17	-.28	.12	3	1.0	2	29+	1	0	0
ELLEDALE	23.4	4.3	13.9	0.0	42	8	-16	19	1475	0	22	29	16	.42	-.20	.24	3	.9	6	29+	1	0	0
ENDERLIN	20.8	- 0.4	10.2		41	8	-21	19	1585	0	26	29	19	.14		.10	16	2.0			1	0	0
FORMAN	21.8	3.5	12.7		40	8	-18	19	1512	0	23	29	16	.31	-.26	.24	3				1	0	0
FULLERTON	22.6M	3.4M	13.0M	- 1.1	41	8	-17	19	1500	0	24	29	18	.35	-.60	.21	3				2	0	0
GACKLE	20.1	- 0.3	9.9		39	4	-24	19	1594	0	25	29	18	.26		.12	4	1.5	2	6+	2	0	0
GRAND RAPIDS 1 N	21.7	1.6	11.8		39	14	-18	29	1543	0	24	29	18	.46		.32	3	2.0	6	29+	1	0	0
HANKINSON R R STATION	21.7	3.0	12.4	- 1.0	40	8	-15	20+	1521	0	24	29	17	.28	-.30	.28	3				1	0	0
LISBON	22.9	2.9	12.0	- 0.2	41	8	-19	19	1503	0	24	29	17	.26	-.32	.19	3	1.5	5	29+	1	0	0
MC LEOD 3 E	22.1	0.6	11.4	- 1.6	39	8	-22	19	1591	0	26	29	18	.28	-.19	.21	3				1	0	0
NAPOLEON	20.7M	0.6M	10.7M	- 1.5	43	4	-25	19	1560	0	22	29	18	.26	-.19	.15	4	2.5	3	29+	1	0	0
OAKES	22.3	1.8	12.1	- 0.5	38	14	-22	20+	1528	0	24	29	18	.46	-.13	.29	3		8	29+	1	0	0
WAPETON	23.5	4.7	14.1	0.3	39	8	-14	19															

DAILY PRECIPITATION

NORTH DAKOTA
FEBRUARY 1960

Station	Total	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERCROMBIE	.24	T		.18	.01	.02		T		T					T		.05	T	T		T	T											
ADAMS 7 S	.08	-	.04	T	-	-	-	-	-	-	-	-	-	-	-	-	-	T	.03	-	T	T	.01										
ALEXANDER	.12	T		.01	-	-	-	-	-	-	-	.04		-	-	T	-	.05	-	-	T	T		-	-	-	-	-	-	-	-		
ALMONT 7 SW	.11	T		T									.02			T	-	.06			T	T		-	-	-	-	T	.02				
AMROSE 3 N																																	
AMENIA	.24			.10	.10	.02									.02																		
ANIDON	.13										.02	T	.02				.03		.04								.02	T	T	T			
ARVILLA STATE PARK	.22			.12	.10													T	T	T									T	T			
ASHLEY	.29		.04	.12	.13														T	.02		.04	T						T	T			
BALTA	.06	T							T						T	T													T	T			
BEACH	.18	T								T	T						.08	.04	.01		T	T		T			.04	.01	T				
BELCOURT INDIAN RES	.11	T		.02	.02									.05				T	.01		.01							.04	.01	T			
BELFIELD	.16			.09				T	T								.03	.01						T	T					T			
BERTHOLD	.14								T				.03	T			.07	.03	.02									T	.07	T			
BEULAH																																	
BISSEE	.18				.04																												
BISMARCK WB AIRPORT	R// .15	.02	.08	T			T	T		T	T			.07		.03	.01	.01	T	T	T	.07		T	T	T	T	T	T	T	T	T	
BISMARCK 12 ENE	.02																																
BOTTINEAU	.14			.05	T	T	T																										
BOWBELLS	.04		T	.04		T	T											T	T	T		.04							T	T	T	T	
BOWMAN COURT HOUSE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOWMAN 13 SE	.22	-	-	-	-	-	-	-	-	.09	-	.02	-	-	-	-	.05	.03	T		T	-	-	-	-	-	-	.02	.01				
CARRINGTON	.29																																
CARSON	.07	T		.01	T	.06											.12	T						T									
CAVALIER	.15			.02	.02	T	T						.04				.01	T	.02														
CENTER	.28		.08					T	.02							.05	.01	.01					T	.02									
COLGATE	.34			.25	.08										.01		.05	.10															
COLUMBUS	.04																																
COOPERSTOWN	.35	T		.21	.11	T		T	T									.01											.01	.02			
COURTENAY	.31	T		.17	.06			T	T								.08	T	.03											T	T		
CROSBY	.04																	.04															
DEVILS LAKE WB CITY	R .16	T	T	T	.02	T	T	T	T	T				.08	T	T	.02	.01			.02	.01		T	T	T	T		T	T	T		
DICKINSON FAA AIRPORT	R// .05	T	T	T						T	T	T					.01	.01	T	T	T	T		T	T	T	T	.01	.02	T	T		
DICKINSON EXP STATION	R// .12	T	T	T			T					.01			T		.01	.01	T	T	T	T		T	T	T	T	.01	.10	T	T		
DOWNYBROOK	.12	T						T																									
DRAKE	.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUNN CENTER 2 SW	.12			T	T								.07	T			T	T	.02					T	-	-	-	T	-	.03	-		
ECKMAN 2 SE	.17	T		T																													
EDGELEY EXP FARM	.04			.12	.04			T	T							.01	T	T															
EDMORE 1 N	.14			.03	.24	.09											.06	T			.01	.01	T										
ENDERLIN	.12			T	.04												.10																
EPPING	.39	.03	.02									.08				.11	T	.06															
FAIRFIELD	.17											.05					T	.05	T														
FARGO WB AIRPORT	R// .06	T		.03	.02	T	T	T	T	T				.05	T	T	.01	T	.01	T		T	T										
FESSENDEN	.20			.02													.12	T															
FLASHER	.04											T	.01				T	.03															
FORBES 13 NW	.34	T		.05	.24	.19				T	T						.06	T	T														
FORMAN	.31			.24	T	.03																											
FORT YATES	.09		.02	T													.02	T	.02		.04												
FOXHOLM 7 N	.12																																
FULLERTON	.35		.02	.21	.10												.02	T															
GACKLE	.26		.01	.11	.12																												
GARRISON	.18																T	.01	.01														
GOLDEN VALLEY 10 S	.06	T		.13	.13							.03	T				.03	.14	.01	T													
GRATON	.30																	.01															
GRAND FORKS FAA AIRPORT	.52	T	T	.33	.15	.01	.01	T	T					.02	T		T	T		.03	T	T	.01										
GRAND FORKS UNIVERSITY	.53			.33	.10	T	T	.03									T	T	.02				.02	.01									
GRAND RAPIDS 1 N	.46			.32	.08	T										.06																	
GRANVILLE	.10			T													T	T															
GRENOIRA	.23			T																													
HAGUE	.22		.10	.08	.03								.09	T		.07		.07															
HALLIOAY	.17																																
HALLIOAY	.17																																
HANKINSON R R STATION	.28	T	T		.28	T											T	T	T														
HANNAH	.10			T	T		T																										
HANSBORO	.06	-	.01	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	.09		.01	-	-	-	-	-	-	-	-	-	-	-	-
HARVEY																			.02	.03	T												
HETTINGER	.15											.05																					
HILLSBORO	.37	T	T	.33	.04	T		T	T			.05					T	T	.02										.03	T			
JAMESTOWN FAA AIRPORT	R// .46	T		.08	.20	T		T	T	T				.02	T	.03	.02	T	.01														
JAMESTOWN STATE HOSP	.51			.15	.18											.09		.09															
KEENE 2 S	.32			.02									.03				.08	.03	.11														
KENMARE	.04				.02																												
KENSAL WILDLIFE REFUGE	.23			T	T	.14											.09	T															
KILLOE 8 NW	.07																.07																

See reference notes following Station Index.

DAILY PRECIPITATION

NORTH DAKOTA
FEBRUARY 1960

Continued

Station	Total	Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
PETTIBONE	.13	T			.03	T								T	.02		.08																	
PORTAL	.02		T											T		T	T	.02																
POWERS LAKE 1 N	.02		T											T	.02	T		.02																
PRETTY ROCK	.02																																	
RAUB 10 SSW	.02																																	
REEGER	.17		T							.06		.04					T	.04	.03															
REEGER 14 N	T									T																								
RICHARDSON ABBEY	.14		T											.06	T		T																	
RIVERDALE	.09					T											.04	.01																
ROLLA	.10		.02	T		T				T							.07	T	T															
RUGBY	.05		T	T																														
RYDER	.10																																	
SAN HAVEN	.03		T	T						T							.04	.01	.06															
SELFRIEGE 5 W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SENTINEL BUTTE 20 S	.12													.03			.03									.06								
SHARON	.28	T	T	.18	.10	T											T																	
SHERWOOD 3 N	.10		.08																															
SHIELDS	T																																	
STANLEY	.12		.02				T										.06	T	.01															
STEELE	T																T	T																
SYKESTON	.08																.08																	
TAGUS	.10	T	.02														.08																	
TIOGA 1 E	.30		T	.03													.03	.01	.20															
TOWNER	T																																	
TROTTERS 3 S	.11	T	T				T										.01	.04	T															
TURTLE LAKE	.11																.04	.02	T															
TUTTLE	.03		.03														.04	.01	T															
UNDERWOOD 4 ESE	.11		.03														.04	.01	T															
UPHAM 3 N	.04		.01	.02	.03												.10	T	.01															
VALLEY CITY	.35			.22						T	T																							
VELVA	.09		.02														.03	.03	T															
VERONA	.42			.40																														
WAMPETON	.22			.09		.03																												
WALHALLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WARWICK	.03	T	T		.03																													
WASHBURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WATAUGA 5 OAKOTA 8 N	.10	T															T	T																
WATFORD CITY	.25		.02																															
WATFORD CITY 14 S	.10																																	
WESTHOPE	.04	T	.04																															
WILOROSE	.09																																	
WILLISTON W8 CITY	.39		.01				T	T	T	T		.04	.05				.13	.01	.06		T	T	T		.03	.02	T	.03	.01	T	T			
WILLISTON EXP FARM	.17		T										.02					.08	.02						.02	.01	.01	.01	T	T				
WILLOW CITY	.02		T	T																														
WILTON	.02																																	
WISHEK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WOODWORTH	.36				.10	T											.12	.10		.02														

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
FEBRUARY 1960

Station	Day Of Month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX MIN	20 6	31 18	32 26	41 27	31 22	28 19	46 22	42 24	15 0	14 0	23 2	29 17	37 22	41 17	36 9	22 4	10 -8	8 -13	16 -1	7 -15	14 -9	13 -4	13 -6	14 -5	14 -7	12 -5	9 -6	12 -10	22.5 5.7		
AMENIA	MAX MIN	31 10	27 17	31 20	32 25	32 23	30 20	40 18	36 10	13 -7	7 -6	10 -9	21 -8	20 -6	35 17	32 12	30 11	18 -2	20 -2	10 -16	14 -8	16 -8	13 -5	16 -3	19 2	18 0	18 1	19 -2	19 -5	13 -10	22.1 3.1	
AMIOON	MAX MIN	16 17	25 17	36 20	38 23	40 24	38 23	30 22	48 24	38 9	12 3	18 7	20 10	38 13	38 17	36 22	42 16	28 17	21 8	4 -12	11 -9	11 -12	11 -3	12 -2	20 -11	15 2	15 -5	12 -5	10 -16	9 -7	24.5 6.8	
ARVILLA STATE PARK	MAX MIN	22 -4	28 -4	33 21	34 29	31 14	31 16	30 10	30 4	10 -9	4 -13	5 -14	18 -19	17 -10	37 5	39 0	20 -7	18 -19	15 -27	0 -14	14 -10	10 -12	10 -9	12 -7	14 -3	17 -4	15 -2	19 -10	10 -8	6 -9	18.9 -3.7	
ASHLEY	MAX MIN	19 4	29 18	32 27	36 27	31 15	26 18	33 17	39 20	20 10	12 -4	18 -6	16 -9	34 11	34 14	32 8	18 -9	17 -4	2 -26	9 -8	12 -16	8 -16	10 -16	15 -19	14 -17	13 -12	14 -5	14 -14	6 -16	16 -15	19.8 -0.7	
BEACH	MAX MIN	30 21	27 19	36 20	37 25	38 23	39 20	30 18	48 27	35 14	16 -3	19 6	22 4	33 13	42 22	38 18	43 30	30 18	10 -12	5 -15	16 -5	13 -14	10 -6	14 -6	17 -15	16 -5	14 -3	13 -19	2 -23	8 -27	24.5 4.5	
BELCOURT INDIAN RES	MAX MIN	19 -6	27 5	30 23	31 25	30 23	25 18	31 15	38 10	10 -13	5 -11	11 -13	17 -10	19 -2	35 15	30 -5	24 0	17 -16	14 -10	5 -25	11 -8	10 -8	15 -10	15 -16	15 -19	11 -5	18 -3	11 -19	5 -23	9 -27	18.6 -4.0	
BELFIELD	MAX MIN	28 15	34 19	39 21	45 19	34 25	28 20	52 20	42 26	7 2	20 16	25 10	43 16	39 20	44 17	44 20	36 17	26 15	15 -7	14 -8	16 -2	6 -12	14 -3	19 -5	14 -10	15 -2	5 -4	4 -15	5 -10	9 -10	24.6 6.0	
BEULAH	MAX MIN	19 5	32 15	35 28	42 19	32 16	29 18	45 21	43 23	2 2	16 -3	20 6	27 -4	32 16	40 14	43 12	38 10	22 0	14 -8	10 -17	14 -2	8 -14	11 -9	15 -10	14 -4	15 -5	13 -10	9 -8	10 -13	9 -14	23.5 2.9	
BISBEE	MAX MIN	9 -2	30 7	33 15	32 24	30 17	28 16	35 19	31 15	6 -12	5 -8	8 -13	20 -5	20 -12	28 15	26 2	19 0	10 -7	3 -10	2 -21	10 -9	7 -12	10 -11	8 -8	13 -10	12 -5	7 -3	9 -10	2 -16	2 -19	15.7 -2.4	
BISMARCK WB AIRPORT	MAX MIN	23 0	33 23	34 30	36 21	30 21	28 22	44 23	41 15	15 4	13 13	17 5	24 11	26 11	37 23	40 18	35 10	22 -10	9 -12	15 -5	9 -6	13 -7	15 15	17 0	15 3	14 1	10 -3	14 -8	10 -10	13 -6	22.5 6.3	
BOTTINEAU	MAX MIN	25 -3	22 7	31 21	31 26	31 23	27 19	25 15	39 18	18 -4	9 -10	10 -10	14 -4	17 -1	24 6	36 1	26 -2	15 -2	18 -9	-4 -20	1 -16	9 -10	15 -5	16 -8	15 -13	12 -9	20 -3	14 -10	8 -20	2 -24	18.1 -1.7	
BOWBELLS	MAX MIN	18 5	23 4	32 20	33 16	37 18	27 17	32 17	41 22	22 -5	3 -6	7 -3	20 0	24 11	24 16	33 8	34 10	15 -14	18 -17	6 -6	9 -5	9 -15	11 -6	15 -6	5 -5	14 -7	12 -10	5 -12	5 -16	5 -16	18.2 0.8	
BOWMAN COURT HOUSE	MAX MIN	24 20	38 18	38 16	41 22	40 19	34 24	52 21	40 24	35 12	16 0	20 6	22 11	38 13	37 19	42 20	38 18	23 16	17 -7	12 -10	15 -2	12 -12	16 -1	20 -6	14 -10	18 1	12 -7	6 -14	5 -15	12 -7	25.4 6.5	
BREIEN	MAX MIN	22 3	32 20	35 29	40 26	35 22	29 22	45 21	45 28	28 5	16 -1	19 5	27 -2	26 13	40 20	43 14	42 13	22 0	19 -5	8 -20	16 -5	13 -10	14 -5	18 -15	16 -11	16 -11	15 -11	11 -10	16 -15	24.9 4.1		
BUTTE	MAX MIN	20 -3	24 2	33 24	33 26	39 19	28 19	28 19	42 21	23 -5	2 -7	10 -5	18 0	23 9	31 14	35 14	34 6	14 -3	21 -5	2 -15	8 -9	14 -8	9 -12	13 -11	15 -8	14 -10	15 -7	15 -6	13 -11	7 -14	20.1 1.4	
CARRINGTON	MAX MIN	18 -4	22 -3	28 -3	35 22	28 15	30 20	35 19	40 22	24 -5	6 -10	10 -10	12 -4	21 -2	25 0	36 11	36 4	12 -8	10 -5	12 -19	12 -18	10 -11	13 -14	16 -14	12 -12	18 -5	16 -5	12 -10	13 -15	7 -17	19.1 -1.7	
CARSON	MAX MIN	27 7	26 7	31 26	34 24	43 22	31 16	32 19	45 31	33 4	8 -5	16 -4	18 -2	22 14	31 17	38 13	43 14	18 3	2 -7	9 -16	15 -4	8 -12	13 -6	17 -8	17 -6	16 -10	14 -14	11 -10	9 -15	22.3 4.1		
CAVALIER	MAX MIN	24 -4	27 1	32 20	36 22	32 22	26 13	29 6	41 -13	5 -11	8 -13	10 -6	15 -6	34 -6	33 14	33 14	27 5	17 -3	14 -5	10 -19	11 -9	11 -5	13 -8	17 -3	18 -2	19 0	18 -2	15 -6	14 -6	15 -15	20.4 -0.3	
CENTER	MAX MIN	18 0	30 15	32 26	40 20	30 16	27 16	45 19	40 22	31 1	5 -5	4 -4	2 -2	26 12	37 18	41 18	36 11	20 -6	14 -8	8 -20	8 -8	10 -14	17 -13	16 -16	13 -5	12 -6	12 -8	8 -10	7 -14	21.9 1.8		
COOPERSTOWN	MAX MIN	23 -2	28 14	32 22	36 27	30 20	16 18	30 15	40 28	16 -11	6 -11	9 -15	20 -14	33 -6	34 17	34 28	19 3	17 -9	17 -5	12 -24	11 -6	14 -14	13 -13	12 -11	18 -10	18 -3	19 -5	15 -12	11 -14	12 -17	21.0 -2.3	
CROSBY	MAX MIN	25 12	30 15	31 25	32 20	29 16	31 15	42 18	39 15	16 -4	12 -1	16 -6	15 -1	35 3	36 4	34 6	29 1	19 5	19 -15	8 -19	10 -2	6 -21	8 -18	15 -7	11 -2	4 -10	4 -18	4 -17	8 -17	19.3 -1.2		
DEVILS LAKE WB CITY	MAX MIN	20 -4	28 14	34 24	33 25	27 24	26 18	40 21	35 -3	2 -12	5 -11	7 -14	21 -2	18 -2	33 18	31 7	19 -3	17 -8	10 -16	8 -18	12 -8	10 -10	7 -17	13 -12	17 -12	14 -5	12 -6	9 -12	5 -14	7 -13	17.9 -1.8	
DICKINSON FAA AIRPORT	MAX MIN	21 15	32 21	38 28	41 22	32 25	20 18	48 24	36 20	20 5	21 5	20 13	40 17	39 23	44 24	32 18	25 4	5 -8	16 -2	14 -8	10 -8	16 -1	20 -4	15 -7	15 -2	13 -2	8 -5	5 -12	10 -7	23.6 7.1		
DICKINSON EXP STATION	MAX MIN	26 13	24 13	33 20	38 18	41 17	33 18	34 18	48 30	33 8	11 3	22 6	21 3	41 15	38 20	44 18	26 16	22 -10	3 -5	17 -14	15 -5	10 -12	16 -2	21 -7	15 -5	15 -9	10 -12	6 -19	10 -10	24.0 4.8		
ORAKE	MAX MIN	24 -1	24 0	34 23	34 19	38 25	29 10	31 19	43 21	23 -7	2 -7	9 -6	16 -1	25 5	35 10	33 3	18 -6	22 -3	4 -19	8 -11	15 -15	7 -16	12 -16	12 -12	15 -8	15 -10	15 -10	9 -13	9 -13	20.1 -1.0		
OUNN CENTER 2 SW	MAX MIN	27 9	32 8	36 19	36 20	39 18	31 20	27 18	47 27	30 17	9 0	15 -1	17 -4	22 15	39 19	37 15	42 14	23 12	20 -8	0 -11	14 -8	15 -13	5 -2	14 -7	17 -10	11 -7	12 -7	9 -14	9 -12	22.2 3.7		
ECKMAN 2 SE	MAX MIN	20 -7	22 -8	32 21	36 22	28 13	26 17	40 19	23 15	6 -8	10 -5	14 -2	21 -5	29 1	35 8	33 1	14 4	20 -7	-1 -21	8 -14	11 -20	9 -19	12 -18	13 -20	10 -19	16 -11	11 -11	10 -15	7 -18	18.2 -3.7		
EOGELEY EXP FARM	MAX MIN	30 7	28 13	32 27	35 30	35 20	30 21	26 20	45 20	25 0	7 -1	12 -3	14 -2	22 -2	29 2	36 17	37 16	17 -3	21 -3	6 -16	4 -16	15 -10	13 -10	14 -7	18 -5	19 -3	22 1	20 -6	16 -8	11 -8	22.0 3.0	
EMORE 1 N	MAX MIN	17 -9	28 9	32 22	33 26	31 23	24 18	32 14	38 7	8 -14	6 -16	9 -22	17 -12	16 -2	28 14	27 0	19 -3	17 -15	7 -29	11 -12	13 -6	8 -19	14 -16	18 -15	17 -8	12 -9	10 -20	5 -20	4 -23	17.7 -5.0		
ELLENDALE	MAX MIN	24 10	31 20	34 28	35 28	34 20	29 20	32 17	42 23	24 11	14 -1	15 -5	17 -3	19 -8	36 15	36 15	34 10	22 -3	7 -16	18 -4	15 -9	15 -5	19 -7	20 -4	21 2	16 0	12 -5	12 -2	18 -10	23.4 4.3		
ENOERLIN	MAX MIN	22 10	27 12	29 24	35 24	32 21	28 12	41 15	26 -6	6 -5	9 -10	8 -10	18 -10	29 -5	36 10	31 10	17 -5	22 -5	5 -21	9 -20	15 -12	14 -11	13 -10	17 -6	19 -3	18 -2	19 -9	19 -8	11 -14	20.8 -0.4		
FAIRFIELD	MAX MIN	21 12	31 16	35 20	36 19	31 21	23 18	46 21	38 23	25 3	20 -4	19 1	21 9	39 16	35 18	41 19	34 13	26 12	15 -16	12 -3	6 -6	12 -9	21 -6	12 -10	10 1	12 -8	4 -13	3 -14	10 -6	22.4 4.7		
FARGO WB AIRPORT	MAX MIN	28 14	28 25	32 26	32 25	27 14	38 26	38 13	11 2																							

DAILY TEMPERATURES

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NORTH DAKOTA
FEBRUARY 1960

Station	Day Of Month																																	Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
GACKLE	MAX MIN	20 2	29 16	33 26	39 28	29 16	26 15	32 19	32 16	16 -4	-9 -8	11 -8	20 -7	24 0	34 15	35 10	30 8	19 -9	15 -7	-6 -24	11 -7	7 -15	12 -13	12 -14	18 -13	17 -5	17 -3	13 -13	5 -18	11 -13	20.1 -0.3			
GARRISON	MAX MIN	35 10	28 -1	30 20	33 23	37 19	28 17	33 20	45 22	24 -3	3 -10	8 -5	19 3	22 4	33 12	35 14	33 12	23 10	20 -8	20 -17	1 -10		15 -5	16 -7	13 -5	16 -5	15 -1	15 -3	7 -10	22.5 3.6				
GRAFTON	MAX MIN	18 -10	24 -5	29 17	31 24	29 20	24 13	26 1	37 1	5 -17	-6 -17	6 -17	12 -18	12 -13	31 10	32 5	23 2	12 -14	12 -8	3 -30	8 -14	10 -5	12 -12	13 -8	16 -8	16 -6	15 -5	14 -14	10 -25	17.0 -5.8				
GRAND FORKS FAA AIRPORT	MAX MIN	25 6	27 18	31 25	32 24	31 23	27 1	40 6	39 4	6 -10	7 -11	7 -17	13 -13	19 -9	32 16	32 4	22 1	13 -9	10 -15	3 -21	11 -10	12 -6	12 -12	13 -9	16 -7	18 -7	16 -6	15 -11	9 -19	19.0 -2.9				
GRAND FORKS UNIVERSITY	MAX MIN	27 6	26 9	31 22	33 29	31 24	27 15	29 5	40 4	6 -10	7 -9	6 -14	14 -9	19 -5	35 16	29 8	23 6	13 -6	13 -6	4 -19	4 -3	12 0	12 -10	15 -8	18 -5	16 -3	16 -9	11 -5	11 -14	18.9 0.1				
GRAND RAPIDS 1 N	MAX MIN	22 4	32 19	36 27	37 31	34 18	28 22	30 20	30 20	2 -2	10 -4	14 -6	22 10	20 -7	39 17	38 10	31 6	15 -5	10 -6	8 -10	12 -8	10 -10	12 -7	19 -3	20 -3	16 -12	12 -10	20 -18	21.9 1.6					
GRANVILLE	MAX MIN	23 -2	32 11	30 28	41 20	30 20		42 20	38 13	5 -4	9 -1	26 5	28 10	39 19	37 10	37 10	25 5	23 -1	13 -6	14 -10	14 0	12 -11	16 -9	15 -11	16 -6	19 -4	17 -6	14 -10	9 -11	21.8 1.9				
GRENOIRA	MAX MIN	25 15	30 18	33 23	31 14	30 16	26 14	43 17	39 16	18 4	15 2	21 0	20 1	39 13	35 14	36 14	26 1	21 -5	7 -17	12 -15	11 -9	11 -7	13 -9	15 -8	8 -6	12 -3	6 -12	4 -16	6 -12	20.4 1.6				
HANKINSON R R STATION	MAX MIN	29 16	28 18	28 18	30 23	31 20	28 25	30 16	31 16	3 3	14 0	13 -6	10 -8	20 -3	21 -2	36 18	36 18	20 -1	18 -3	8 -15	17 -5	13 -5	13 -9	14 -9	18 -6	20 -3	17 -3	18 -5	13 -5	21.7 3.0				
HANNAH	MAX MIN	22 -9	27 7	35 18	39 23	32 20	25 13	35 12	38 2	2 -17	4 -17	9 -19	16 -8	25 -2	30 16	30 0	18 -4	17 -12	13 -11	4 -24	11 -11	9 -12	12 -18	14 -14	18 -8	14 -8	12 -3	10 -12	5 -17	18.3 -5.2				
HANSBORO	MAX MIN	20 1	28 4	33 23	32 27	32 24	30 21	40 26	38 9	11 -15	5 -8	10 -11	16 -1	18 -3	28 2	32 10	25 10	15 -5	15 -10	6 -15	14 -10	12 -10	11 -9	11 -8	13 -3	12 -3	14 -12	14 -17	12 -17	19.2 -0.2				
HETTINGER	MAX MIN	23 15	33 19	39 23	44 23			54 24	39 24	26 8	12 2	6 6	12 12	34 12	36 19	43 21	33 19	28 17	18 -4	13 -8	13 -2	10 -10	15 0	21 -5	13 -8	17 0	15 -4	7 -8	7 -14	24.0 6.3				
HILLSBORO	MAX MIN	34 11	27 12	31 22	30 25	32 27	27 21	33 25	40 27	17 21	7 11	6 -8	18 -7	21 -5	36 12	33 18	30 8	17 -2	16 0	10 -17	14 -12	10 -9	15 -7	16 0	19 2	17 0	21 -2	16 -4	16 -10	21.6 2.5				
JAMESTOWN FAA AIRPORT	MAX MIN	21 2	30 21	33 25	37 22	27 20	26 21	41 39	39 4	5 -4	9 -5	14 -6	22 -3	19 -1	34 19	35 11	29 4	19 -6	11 -14	8 -18	14 -6	11 -11	12 -10	16 -10	20 -3	18 -4	17 -10	14 -12	7 -14	20.7 0.7				
JAMESTOWN STATE HOSP	MAX MIN	19 3	35 18	34 26	35 31	31 20	26 22	36 22	37 14	14 -4	8 -4	11 -5	19 -2	35 0	30 18	30 13	34 7	21 -5	16 -4	9 -17	14 -3	11 -11	10 -9	12 -6	15 -8	17 0	13 -1	13 -8	8 -11	12 -12	20.5 2.9			
KEENE 2 S	MAX MIN	20 11	31 17	33 17	38 29	29 23		42 18	38 21	28 0	15 1	17 0	24 0	36 15	33 13	38 16	33 0	20 -4	6 -13	11 -16	11 -6	11 -18	14 -5	12 -12	10 -5	4 -13	6 -10	6 -13	20.8 1.7					
KENMARE	MAX MIN	20 7	25 5	33 20	32 20	37 18	29 19	35 18	42 19	23 -1	7 -4	10 -2	2 2	25 13	33 18	33 12	33 10	17 -2	20 -11	10 -13	12 -5	10 -12	17 -12	18 -5	17 -4	14 -6	10 -12	9 -12	5 -11	20.5 2.3				
KENSAL WILDLIFE REFUGE	MAX MIN	29 -1	29 16	34 25	38 31	36 13	26 20	38 20	40 16	17 -5	10 -8	12 -7	21 -3	20 -3	35 16	34 9	31 3	19 -8	12 -17	14 -8	13 -11	11 -13	13 -10	15 -11	18 -3	14 -5	15 -12	10 -14	12 -15	21.9 0.4				
LANGOON EXP FARM	MAX MIN	18 -5	25 9	33 20	33 25	31 24	30 18	30 18	36 17	6 -17	8 -20	10 -20	14 -8	11 -4	28 7	26 0	22 -5	18 -15	15 -12	5 -26	10 -11	12 -12	16 -19	18 -15	20 -12	21 -13	17 -18	9 -18	4 -24	18.8 -5.5				
LARIMORE	MAX MIN	19 -1	27 5	32 21	34 23	31 16	29 12	41 12	40 12	5 -12	6 -11	8 -13	17 -10	18 -7	34 16	33 10	25 5	20 -6	18 -21	11 -7	12 -7	12 -9	14 -5	16 -1	18 -3	19 -3	18 -2	12 -8	15 -15	20.8 -0.7				
LEEOS	MAX MIN	14 -8	30 8	33 25	33 26	28 22	28 20	38 20	38 12	12 -12	9 -10	9 -12	21 -2	20 0	32 18	31 2	23 0	19 -12	13 -9	6 -24	10 -5	7 -16	10 -17	12 -15	14 -18	13 -10	14 -12	8 -17	3 -16	5 -15	18.4 -2.7			
LINTON	MAX MIN	20 -2	31 20	37 30	42 29	31 18	29 20	39 25	43 23	25 4	15 0	16 0	24 1	25 2	39 18	42 18	38 10	24 -5	18 -20	8 -5	18 -9	10 -12	15 -15	15 -7	17 -10	18 -12	13 -17	16 -19	24.1 2.9					
LISBON	MAX MIN	23 12	30 17	32 25	35 26	33 21	29 21	30 22	41 22	24 -3	9 -4	10 -8	20 -9	23 -10	35 18	35 10	32 12	21 -5	20 3	11 -19	17 -7	15 -10	14 -6	18 -8	19 -2	20 -2	19 -6	16 -13	22.9 2.9					
LOSTWOOD 12 N	MAX MIN	29 5	31 14	33 22	33 13	32 14	31 14	44 12	40 12	19 -4	8 -6	15 -2	20 3	32 6	32 7	32 10	31 8	23 -6	10 -16	5 -21	10 -16	8 -16	11 -12	13 -8	10 -4	10 -7	9 -10	5 -15	1 -17	19.4 -1.7				
MAOOCK AGRI SCHOOL	MAX MIN	18 -8	30 8	30 16	35 25	30 21	27 18	41 25	40 12	13 -10	8 -12	12 -9	25 7	22 5	37 17	30 4	26 2	22 -8	17 -21	10 -8	10 -21	12 -8	12 -16	14 -13	13 -6	10 -10	11 -12	10 -14	8 -17	20.4 -1.6				
MANOAN EXP STATION	MAX MIN	26 1	28 1	32 27	32 26	40 20	28 18	26 19	44 25	32 15	7 -2	12 -1	18 -1	24 6	31 15	38 17	41 14	18 -6	18 -17	1 -10	9 -8	8 -8	13 -8	15 -15	14 -2	14 -1	14 -1	11 -6	8 -11	21.4 3.2				
MANOAN FT LINCOLN PARK	MAX MIN	18 -1	32 17	34 28	40 25	35 20	28 17	45 19	42 18	21 0	14 -3	16 -1	24 0	26 8	34 16	40 16	37 13	24 -1	16 -7	14 -8	16 -4	14 -10	15 -8	13 -10	17 -4	18 -3	16 -8	11 -11	8 -17	23.7 4.0				
MARMARTH	MAX MIN	37 22	27 22	42 19	40 13	43 12	42 18	33 19	52 28	40 9	15 -2	18 2	20 10	31 10	43 16	39 20	45 24	30 22	24 -8	17 -9	16 -4	17 -16	12 -9	15 -14	21 -9	16 -3	16 -12	10 -22	5 -22	26.2 4.4				
MAX	MAX MIN	20 10	24 5	31 20	29 15	38 15	28 15	25 19	41 21	23 -10	2 -10	12 -4	23 -4	22 -7	35 15	35 5	33 7	14 -5	20 -10	-1 -18	5 -10	12 -16	8 -10	15 -10	13 -6	14 -5	14 -8	10 -14	6 -19	19.1 0.0				
MAYVILLE	MAX MIN	19 8	16 12	31 15	34 28	30 25	28 13	30 12	40 13	13 -9	3 -9	3 -12	18 -12	18 -5	34 16	34 11	28 5	16 -7	16 -1	9 -20	14 -7	11 -10	11 -9	17 -5	18 -4	18 -2	12 -1	13 -8	19.4 1.1					
MC CLUSKY	MAX MIN	16 -2	29 16	32 25	38 15	31 21	25 11	40 18	39 16	16 -4	-10 -10	-2 -2	1 -1	22 3	35 16	35 7	33 6	20 -7	15 -5	5 -20	13 -5	8 -13	11 -12	13 -12	12 -14	15 -5	13 -8	9 -13	8 -14	20.6 0.7				
MC HENRY 5 N	MAX MIN	21 -5	28 5	32 22	35 20	30 18	27 10	33 19	38 10	11 -10	5 -13	10 -14	23 -8	16 -5	32 15	30 7	25 0	17 -11	15 -6	10 -25	13 -9	11 -14	16 -17	15 -13	12 -8	15 -5	12 -13	5 -18	2 -22	19.4 -2.7				
MC LEO 3 E	MAX MIN	23 13	28 17	28 23	30 22	30 21	29 11	32 16	39 19	19 -2	10 -4	11 -14	20 -12	22 -9	34 16	34 10	29 12	20 -8	15 -2	9 -22	19 -6	12 -15	16 -9	19 -3	22 -5	20 -6	20 -10	15 -10	15 -10	22.1 0.6				
MC VILLE	MAX MIN	23 -6	28 15	33 22	35 28	29 23	28 19	32 15	40 3	31 -12	4 -11	8 -15	21 -10	16 -6	32 15	32 2	26 2	19 -11	13 -7	10 -24	13 -7	13 -14	12 -15	17 -12	18 -9</									

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DAILY TEMPERATURES

NORTH DAKOTA
FEBRUARY 1960

Station	Day Of Month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MOTT	MAX MIN	23 10	33 19	39 22	46 19	35 12	30 21	53 21	42 29	29 6	19 2	18 2	21 -4	33 14	40 11	45 18	38	15 -14	12 -5	12 -5	13 -1	15 -10	24 -8	18 -2	17 -6	14 -6	11 -16	10 -16	14 -10	25.7 5.0		
MUNICH & SW	MAX MIN	14 -7	28 4	32 22	32 25	31 27	27 14	32 21	37 1	9 -15	3 -14	9 -16	13 -6	12 -6	24 3	26 -3	14 -3	14 -11	7 -26	11 -19	12 -10	18 -19	18 -17	11 -14	16 -11	17 -8	14 -15	8 -20	8 -24	17.6 -5.4		
NAPOLEON	MAX MIN	25 -7	30 20	34 28	43 26	28 17	25 18	42 19	40 20	21 -1	11 -4	13 -4	22 -6	20 -6	35 16	34 12	33 8	11 -4	8 -7	9 -25	11 -9	5 -16	7 -18	11 -19	14 -19	15 -19	15 -19	5 -19	12 -19	20.7 0.6		
NEW ENGLAND	MAX MIN	23 14	33 18	39 20	42 17	33 24	26 20	50 22	43 27	28 8	20 4	20 8	23 3	40 14	39 17	44 22	36 12	27 15	15 -6	14 -12	12 2	16 -14	22 -1	16 -8	17 1	13 -8	6 -11	7 -13	11 -8	25.2 6.0		
NEW SALEM 1 SE	MAX MIN	19 2	31 17	32 25	41 24	30 17	27 16	44 19	40 17	21 0	12 -4	15 -4	21 -6	26 -9	36 12	41 19	36 5	20 0	11 -17	5 -4	15 -15	5 -11	12 -8	14 -6	12 -6	11 -8	9 -5	8 -14	11 -11	21.2 2.6		
NEWTOWN	MAX MIN	19 6	30 14	35 25	36 15	29 19	26 14	46 18	42 22	22 2	14 -2	18 1	25 4	37 15	37 15	36 12	33 4	-5 -12	-6 -18	14 -7	9 -17	19 -8	14 -7	14 -4	15 -1	14 -11	4 -11	4 -12	6 -16	22.4 1.9		
OAKES	MAX MIN	24 11	32 20	35 26	35 28	34 19	28 22	31 20	37 20	23 -1	11 -4	10 -9	17 -13	20 -11	38 16	32 5	31 12	20 -5	7 0	18 -22	14 -5	13 -10	16 -9	17 -8	19 -5	19 -2	16 -11	14 -8	12 -22	22.3 1.9		
PARK RIVER	MAX MIN	20 -2	27 5	32 18	34 28	33 24	27 16	32 12	40 10	10 -12	7 -12	8 -10	19 -7	15 -9	30 14	34 12	30 6	19 -5	17 -3	8 -18	10 -10	12 0	12 -5	16 -3	17 0	19 1	18 2	17 -8	12 -13	12 -15	20.2 0.8	
PARSHALL	MAX MIN	19 0	31 15	33 25	36 12	30 16	26 9	43 20	40 20	20 -1	12 -5	17 -2	24 -2	33 14	36 13	36 4	33 1	21 -13	11 -14	6 -22	12 -8	5 -19	10 -18	14 -9	12 -6	13 -8	12 -15	9 -20	4 -17	6 -19	20.8 -1.1	
PEMBINA	MAX MIN	32 -5	29 1	31 22	35 27	31 20	28 10	27 -1	39 2	6 -14	11 -15	13 -14	20 -8	20 -2	37 14	36 13	28 4	16 -6	13 -6	12 -20	13 -8	15 -10	13 -12	20 -8	22 -7	21 -6	22 -7	14 -7	14 -15	21.9 -2.1		
PETERSBURG	MAX MIN	20 -2	26 6	31 21	33 27	28 17	27 13	29 13	37 5	5 -12	4 -12	8 -14	19 -6	16 -11	30 10	33 4	25 -3	18 -10	14 -7	8 -24	12 -8	11 -9	13 -10	15 -5	16 -2	17 4	13 -15	5 -13	12 -18	18.7 -2.4		
PETTIBONE	MAX MIN	17 -1	29 15	32 29	38 9	30 26	26 9	34 19	39 17	7 -4	11 -10	18 -4	20 -2	33 15	34 5	31 5	18 -11	16 -5	3 -25	10 -7	7 -16	6 -10	12 -15	17 -15	14 -3	11 -15	10 -16	2 -20	7 -19	18.9 -1.3		
PORTAL	MAX MIN	20 3	23 4	30 19	30 19	35 16	31 16	29 20	39 15	22 -9	3 -9	8 -6	18 -5	28 9	34 10	31 5	15 5	18 -2	8 -20	10 -9	12 -12	8 -10	15 -14	12 -6	10 -10	17 -17	16 -16	18 -18	10 -18	18.0 -2.0		
POWERS LAKE 1 N	MAX MIN	20 0	30 5	32 24	32 13	34 16	24 17	43 18	36 2	10 -3	15 -5	5 -5	34 14	31 9	33 1	30 5	19 -5	0 -4	9 -17	5 -22	9 -10	5 -20	11 -18	12 -8	10 -3	10 -4	8 -17	4 -18	2 -22	18.4 -2.9		
RAUB 10 SSW	MAX MIN	20 7	32 18	36 26	40 24	32 17	27 17	50 19	40 21	22 3	24 5	19 0	15 -5	34 5	37 20	40 15	36 6	20 -12	10 -6	6 -12	20 -9	14 -6	15 -10	15 -6	15 -10	10 -12	6 -7	7 -10	10 -9	22.8 3.4		
RICHAROTON ABBEY	MAX MIN	22 8	30 17	38 24	41 27	34 27	29 18	49 20	44 25	26 5	16 1	13 3	22 15	35 20	38 20	43 20	37 12	22 8	15 -12	16 -3	9 -8	11 -3	20 -5	14 -7	13 -1	13 -4	10 -8	9 -12	9 -9	23.8 6.2		
RIVEROALE	MAX MIN	28 1	26 1	32 25	32 23	27 17	28 17	25 18	45 24	28 -1	4 -7	12 -3	18 3	22 -4	33 18	37 15	36 11	26 -2	21 -8	-1 -15	2 -10	10 -13	6 -11	12 -7	13 -7	14 -5	14 -5	12 -4	8 -8	9 -12	20.0 1.8	
ROLLA	MAX MIN	19 1	27 5	32 23	35 25	30 23	27 17	38 18	38 -5	-1 -14	5 -10	11 -9	19 0	19 6	37 17	32 6	11 -1	12 -4	13 -11	6 -15	12 -6	8 -7	12 -9	14 -11	15 -2	16 -1	12 -9	9 -15	10 -16	18.2 -0.7		
RUGBY	MAX MIN	18 -6	30 11	33 27	32 25	28 22	26 20	38 20	40 16	16 -8	8 -10	12 -8	21 2	22 12	36 2	34 2	28 0	20 -6	18 -5	6 -20	10 -5	10 -12	10 -16	14 -10	15 -14	16 -4	14 -10	10 -14	9 -16	20.0 -0.4		
SAN HAVEN	MAX MIN	16 4	27 6	31 25	31 26	29 23	18 18	32 18	37 12	6 -9	8 -7	13 -5	13 -2	18 2	35 17	28 6	24 0	16 0	16 -9	4 -16	0 -5	0 -5	12 -8	8 -9	9 -8	17 -6	15 -8	11 -12	8 -19	17.0 1.1		
SHARON	MAX MIN	20 3	22 12	32 22	34 28	30 22	25 18	30 13	39 7	7 -11	6 -11	6 -13	18 -9	16 -3	33 16	35 6	28 3	15 -9	15 -7	10 -21	10 -8	15 -12	15 -8	18 -5	20 -2	19 -4	20 -10	10 -11	10 -18	19.8 -0.8		
STANLEY	MAX MIN	18 4	30 15	31 24	35 21	28 17	24 17	43 20	35 18	20 -3	11 -3	17 -3	23 4	33 11	34 15	34 7	29 4	20 -2	6 -17	10 -5	7 -14	14 -13	14 -10	11 -3	12 -4	12 -6	6 -9	3 -13	4 -13	19.4 1.3		
STEELE	MAX MIN	20 -2	30 18	34 30	34 12	30 20	27 20	37 20	41 18	19 -2	10 -6	15 -3	21 -3	20 -1	35 17	35 15	33 10	20 -5	18 -2	8 -19	15 -2	14 -10	15 -12	15 -10	12 -13	15 -5	15 -10	17 -7	14 -15	21.8 2.0		
TIOGA 1 E	MAX MIN	22 10	22 8	30 20	32 12	31 10	26 13	24 14	40 21	23 1	7 -2	12 -3	14 -3	21 5	34 10	32 0	33 4	14 -6	18 -23	-3 -12	5 -22	8 -18	5 -16	8 -7	13 -10	10 -14	8 -7	0 -21	0 -21	17.3 -2.9		
TOWNER	MAX MIN	19 -7	32 8	33 29	32 24	28 21	27 18	43 28	42 18	2 -8	9 -12	18 -6	25 -1	27 4	38 12	32 5	26 0	22 -7	11 -8	8 -20	12 -4	10 -18	10 -12	15 -9	16 -9	19 -8	11 -11	10 -17	9 -17	20.9 -1.9		
TROTTERS 3 S	MAX MIN	25 18	32 20	36 22	36 21	29 19	24 18	48 20	41 25	26 7	24 8	26 4	40 12	37 19	43 23	35 17	39 17	29 11	15 -13	13 -3	10 -10	15 -5	17 -3	14 -12	12 -2	11 -11	9 -19	3 -14	6 -15	23.8 5.9		
TURTLE LAKE	MAX MIN	20 -1	30 13	32 28	35 20	34 14	28 18	43 18	43 13	19 -3	13 -4	18 -4	22 -4	25 8	36 15	36 8	35 8	21 -5	16 -8	5 -20	13 -3	10 -17	14 -13	13 -10	15 -7	15 -7	11 -5	8 -13	8 -18	21.8 1.2		
UNDERWOOD 4 ESE	MAX MIN	19 -1	29 13	31 27	37 24	36 14	27 16	42 18	43 19	21 -3	12 -10	18 0	21 2	25 9	35 18	35 15	32 9	19 -3	14 -10	5 -16	10 -7	6 -14	12 -8	11 -9	12 -6	12 -6	12 -2	10 -5	6 -9	20.6 2.1		
UPHAM 3 N	MAX MIN	13 -7	31 6	33 30	31 21	28 21	27 17	44 20	37 13	13 -5	9 -13	13 -5	20 -3	27 6	34 15	31 -1	22 -2	21 -2	14 -10	6 -23	12 -9	12 -22	10 -20	18 -19	12 -8	10 -10	6 -10	7 -22	10 -20	19.8 -2.8		
VALLEY CITY	MAX MIN	21 6	29 15	36 21	35 27	34 20	31 19	40 19	36 8	6 -8	9 -11	8 -12	19 -4	31 4	33 14	30 9	22 11	18 -8	18 -25	15 -15	14 -10	13 -14	13 -10	19 -8	16 -6	16 -4	14 -5	8 -6	15 -18	21.0 -0.4		
VELVA	MAX MIN	21 2	32 15	34 29	37 23	30 20	28 18	43 20	41 18	19 -5	11 -6	21 -1	23 6	28 13	38 20	35 9	31 6	22 -7	14 -5	11 -16	14 0	15 -13	15 -12	14 -14	15 -10	17 -10	16 -6	13 -4	10 -9	11 -10	22.6 2.5	
WAMPETON	MAX MIN	30 12	28 22	30 23	30 23	31 22	30 22	29 15	39 20	21 2	16 1	15 -6	20 -4	22 -3	36 11	36 10	34 13	21 0	14 2	10 -14	15 -2	16 -8	15 -6	18 -5	23 -3	25 0	24 0	19 -4	18 -2	17 -7	23.5 4.7	
WASHBURN	MAX MIN	21 3	33 20	33 27	40 24	30 18	27 18	46 19	40 13	30 15	5 -7	22 -7	23 8	26 12	38 20	37 17	36 12	26 11	8 -17	8 -3	16 -13	10 -13	16 -8	18 -5	17 0	16 -3	16 -4	14 -9	10 -10	23.0 4.3		
WATFORD CITY	MAX MIN	30 14	32 21	38 24	38 18	31 17	29 17	44 18	41 25	26 8	22 4	18 8	28 4	40 18	41 17	35 8	22 13	18 11	16 -11	11 -2	13 -15	13 -1	18 -4	15 -11	16 -1	12 -11	5 -11	7 -13	6 -10	24.5 5.3		

NORTH DAKOTA
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Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	18	28	32	36	30	26	44	42	28	14	18	22	22	36	34	32	18	0	8	10	11	8	10	14	12	12	12	12	8	8	20.9	
	MIN	2	12	26	27	18	15	19	22	-6	-8	2	0	7	18	12	10	0	-8	-16	-6	-12	-9	-10	-2	-2	-4	-4	-2	-18	2.9		
WISHEK	MAX	27	28	31	34	40	29	20	40	29	11	8	17	20	28	38	34	14	19	2	5	10	8	10	14	13	11	15	14	7	19.9		
	MIN	3	9	27	30	17	20	19	20	-2	-4	-7	-11	-7	2	15	8	-10	-5	-27	-20	-17	-17	-19	-20	-13	-2	-17	-18	-16	-2.3		

NORTH DAKOTA
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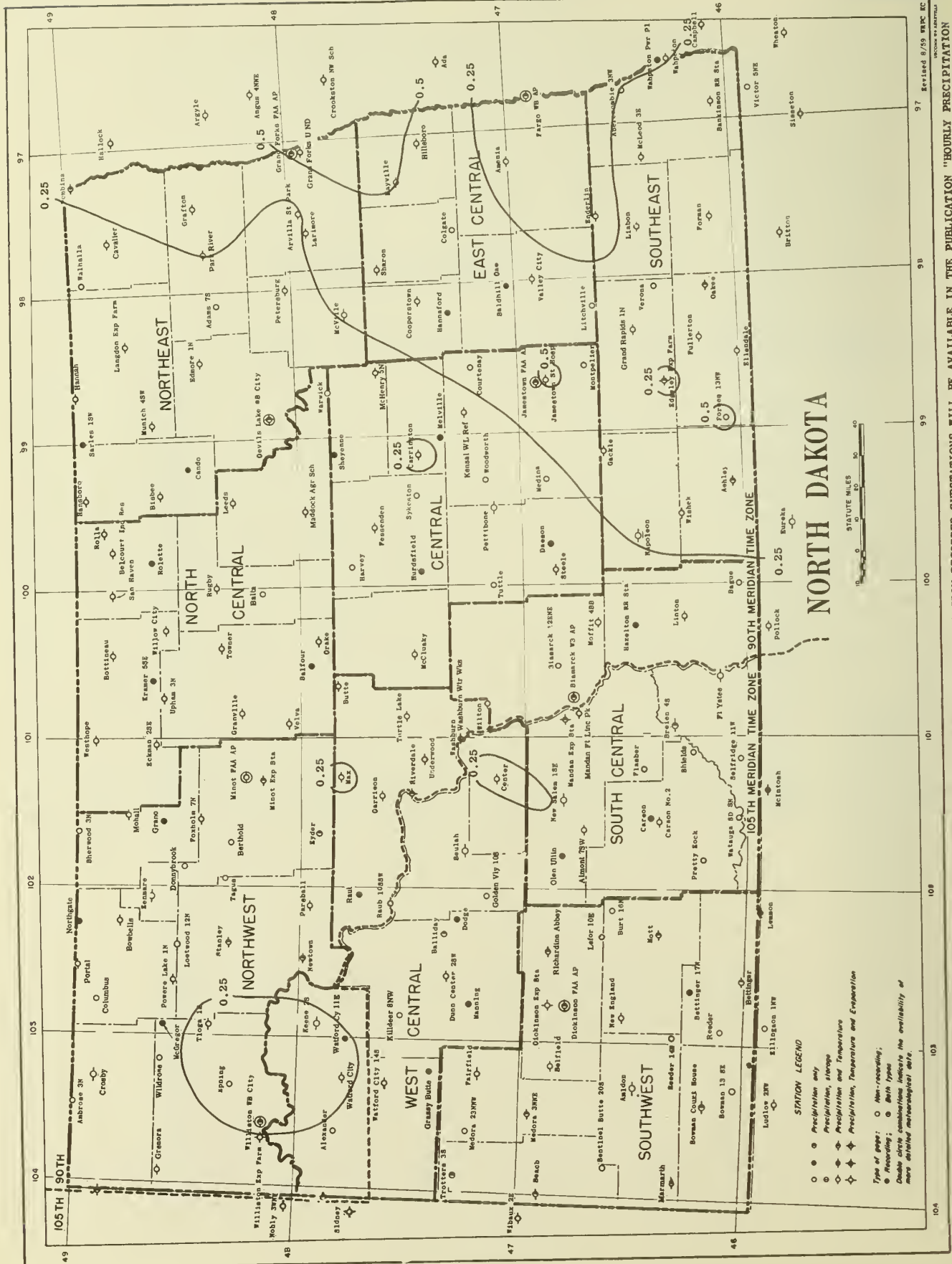
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ALMONT 7 SW	SNOWFALL SN ON GND	T 1	.3 1	1	1	1					.6 1	1	T 1		T	.2 T	1.0 1	1	1	1	T 1	T 1	1	1	1	1	T 1	1	T 1	.3 2	T 2	2				
AMENIA	SNOWFALL SN ON GND	2	2	2	1.0 3	T 3	3	3	3	3	3	3	3	T 3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
AMIDON	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	1.0 T	1.0 T	-	-	-	-	1.0 T	2.0 T	-	-	-	-	-	-	-	-	1.0 T	T T	T T	T T	-	-	-				
ASHLEY	SNOWFALL SN ON GND	5	.5 6	1.5 7	2.0 8	8	8	7	7	7	7	7	7	T 7	7	6	T 6	T 6	T 6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
BEACH	SNOWFALL SN ON GND	T 1	1	T	T	T	T	T	T	T	T	T	T	T	T	1.0 1	.5 2	.5 2	2	T 2	T 2	2	2	2	2	2	1.0 3	T 3	T 3	3	3	3				
BELCOURT INDIAN RES	SNOWFALL SN ON GND	8	.7 8	.5 9	9	9	9	9	9	9	9	9	9	.7 9	9	9	9	T 9	.9 9	9	.9 9	9	9	9	9	9	9	9	8	T 8	8	8	8			
BEULAH	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	.2 2 .2	1.2 2 .3	2	2	2	T 2	T 2	T	T	T	T	T	T	T	.2 T	.3 T	.3 T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T			
BOTTINEAU	SNOWFALL SN ON GND	6	8	.3 6	T 6	T 6	T 6	6	4	4	4	4	T 4	T 4	.3 4	4	4	4	4	.2 4	4	.3 4	4	4	4	4	4	4	4	4	4	4	4	4		
BOWBELLS	SNOWFALL SN ON GND	10	T 10	.4 10	T 9	T 9	T 8	T 8	6	6	6	6	T 6	6	6	6	T 5	T 5	T 5	T 5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
BUTTE	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CARSON	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CAVALIER	SNOWFALL SN ON GND	9	9	.2 9	T 9	T 9	T 9	T 9	T 9	9	-	-	-	-	.5 9	9	.1 9	9	.1 9	9	9	T 9	.2 9	9	9	9	9	9	9	9	9	9	9	9	9	
CENTER	SNOWFALL SN ON GND	5	T 5	5	4	4	4	3	3	3	3	3	3	3	3	T 3	3	T 3	1.0 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
CROSEY	SNOWFALL SN ON GND																																			

See reference notes following Station Index.

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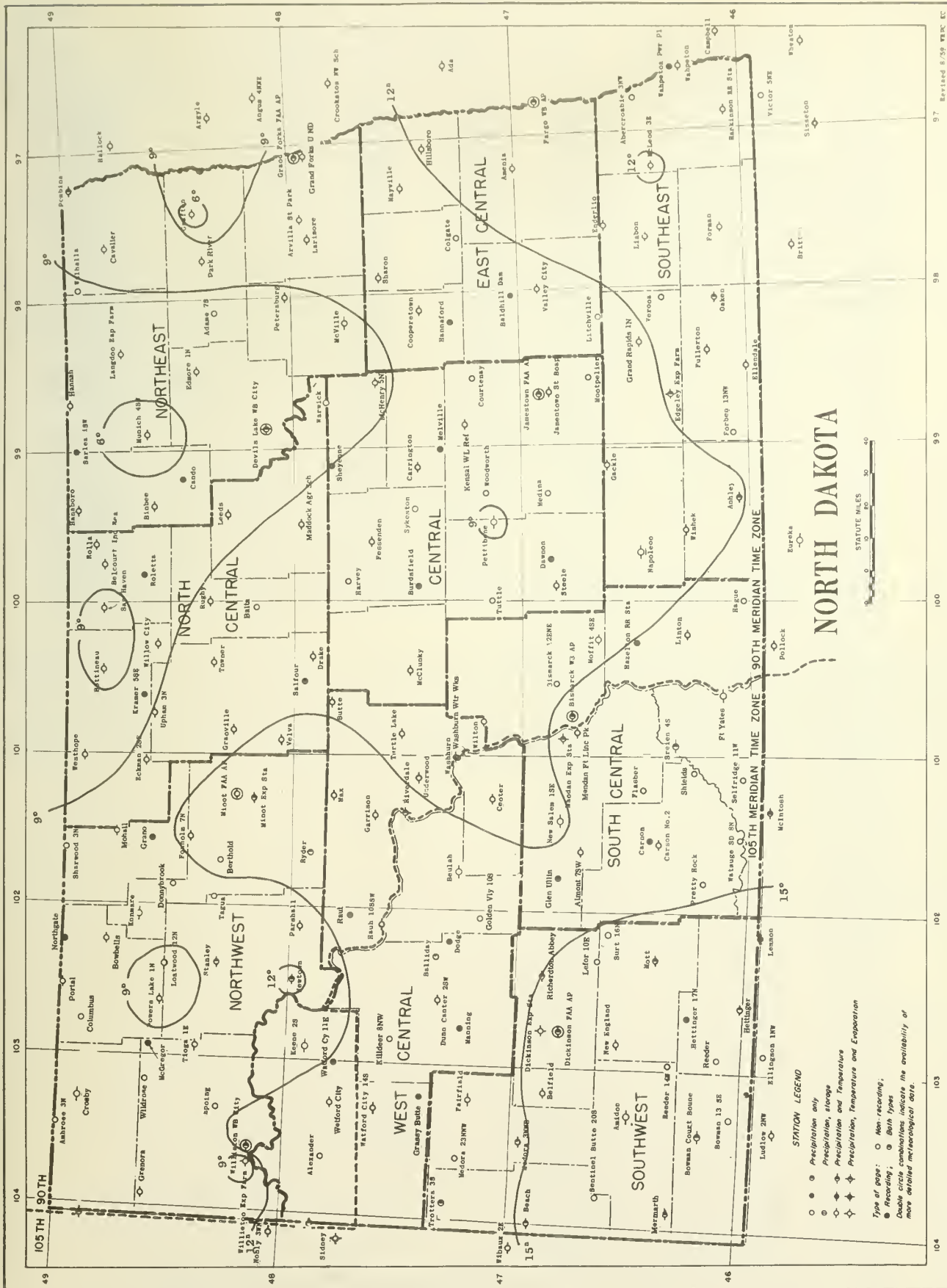
TOTAL PRECIPITATION

FEBRUARY 1960



AVERAGE TEMPERATURE

FEBRUARY 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

STATION INDEX

NORTH DAKOTA
FEBRUARY 1960

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP	PRECIP	EVAP	SPECIAL	
ABERCROMBIE	0005	RICHMOND	10 46 27	96 45	935	6P					HELMER AMUNDSEN
ADAMS 7 S	00215	WALSH	10 48 20	98 06	1354	6P					HYRON J. BATA
ALEXANDER	0096	MCKENZIE	13 47 50	103 38	2185	6P					ORAL J. DUANE
ALMONT 7 SW	0136	NORTON	4 46 43	101 39	2305	7P					HOGAN RANSANO
AMBROSE 3 N	0189	DIVIDE	12 48 00	103 28	2027	5P					U S BORDER STATION
AMENIA	0196	CASS	11 47 00	97 13	960	5S 5S					H VIRGIL L. GEREKE
ANIDON	0209	SLOPE	1 46 29	103 19	2910	8A 8A					H FRED FLEENER
ARVILLA STATE PARK	0369	GRAND FORKS	10 47 56	97 30	960	6P					VERNON C. THOREN
ASHLEY	0382	MCINTOSH	8 46 02	99 22	2001	5S 5S					500 LINE AGENT
BALDWIN DAM	0450	BARNES	11 47 02	98 02	1100						U S CORPS OF ENGINEERS
BALFOUR	0492	MCKENRY	12 47 57	100 32	1615						C EMIL ROSSGAT
BALTA	0500	PIERCE	11 48 10	100 02	1550	6P					ANTON SCHMALTZ
BEACON	0590	GOLDEN VALLEY	7 46 55	104 01	2824	6A 6A					N LUTHER P. HODGINS
BELCOURT INDIAN RES	0626	ROLETTE	9 48 50	99 45	1960	7P 7P					N TURTLE MT INDIAN AGENCY
BELFIELD	0639	STARK	4 46 53	103 11	2583	7P 7P					CARL INDERGAARD
BETHOLD	0729	WARD	12 48 19	101 44	2080	6P					JOAN COX
BELVAH	0766	MERCER	6 47 16	101 47	1780	7P 7P					N MONT DAK UTILITIES CO
BISBEE	0796	TOWNER	2 48 37	99 22	1600	6P					ROBERT J. ERICK
BISMARCK WB AIRPORT	0819	BURLEIGH	4 46 46	100 45	1650	MID MID					C HJ U S WEATHER BUREAU
BISMARCK 12 ENE	0827	BURLEIGH	8 46 51	100 33	1709	8A					KFRY TRANSMITTER
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A 8A					H N SCHOOL OF FORESTRY
BOWWELLS	0961	BURKE	12 48 48	102 15	1953	8A 8A					H FELIX L. ADAMS
BOWMAN COURT HOUSE	0995	BOWMAN	3 46 11	103 28	1180	6P					C MICHAEL R. HIRSCH
BOWMAN 13 SE	0998	BOWMAN	4 46 02	103 18	2830	6P					GEORGE HIRSCH
BREIEN	1052	SIOUX	1 46 24	100 56	1720	6P 6P					C ANNA C. PEDERSON
BURL 16 N	1216	JACOB HETTINGER	1 46 36	102 08	2344	6P					JACOB GRUEBELE
BUTTE	1225	MCKEAN	12 47 50	100 40	1885	8A 8A					H SAKRITSKY
CANDO	1288	TOWNER	10 47 14	99 12	1481	6P					H JOHN ANDRIST
CARRINGTON	1360	FOSTER	5 47 27	99 08	1586	8A 8A					C ANDREW C. HEINZ
CARSON	1370	GRANT	4 46 25	101 34	2310	8A 8A					H JACK STEWART
CAVALIER	1435	PEMBINA	9 48 48	97 38	889	6P					N WILLIE HANSEN PICO
CENTER	1456	OLIVER	4 47 07	101 18	2100	7P 7P					H HEINZ
COLGATE	1486	STEELE	10 47 14	97 39	1180	6P					C JOHN P. BURNELL
COLUMBUS	1496	BURKE	12 48 54	102 47	1930	8A					J. Q. SUNDELL
COOPERSTOWN	1766	GRIGGS	11 47 26	98 07	1428	5P					DELAND M. MARSON
COURTESY	1816	STUTSMAN	5 47 13	98 36	1523	6P					G. M. HANAVALT
CROSBY	1871	DIVIDE	12 48 54	103 18	1953	6P					H JOHN ANDRIST
DANSON	2018	KIDDER	8 46 52	99 45	1730	6P					C ECCEL L. BILLINGTON
DEVILS LAKE WB CITY	2158	RANNEY	2 48 07	98 52	1471	MID MID					C HJ U S WEATHER BUREAU
DICKINSON FAA AIRPORT	2183	STARK	4 46 47	102 48	2595	MID MID					U S FED AVIATION AGENCY
DICKINSON EXP STATION	2188	STARK	4 46 53	102 48	2440	7A 7A					DICKINSON EXP STATION
ODGE	2215	ODGE	12 47 01	102 12	1989	6P					THEODOR ISAAC
ODNBROOK	2242	WARD	12 48 31	101 53	1760	6P					C BERNICE SONNENBERG
ORAKE	2290	MCKENRY	12 47 55	102 22	1634	8A					H EVANS
ORAKE	2365	ODGE	6 47 20	102 38	2212	7A					C HESLEY M. DINKINS
ORAKE 2 SE	2462	BOTTINEAU	12 48 39	101 01	1495	7A					C JOHN H. ZURCHER
EDGELEY EXP FARM	2482	LA MOURE	12 48 14	98 42	1568	8A 8A					H N D AGRICULTURE EXP STA
EDMORE 1 N	2525	RANNEY	2 48 25	98 28	1520	6P					H WILLIAM E. COLLINS
ELLENDALE	2605	DICKIEY	5 46 00	98 31	1120	7A 7A					ODGE GORDON
ENDERLIN	2695	RANNEY	11 47 37	97 36	1120	7A 7A					LEONARD PETERSON
FARFIELD	2735	WILLIAMS	8 48 17	103 21	2224	6P					E. F. CARPENTER
FARGO WB AIRPORT	2809	BILLINGS	7 47 11	103 13	2750	6P					H JOHN PETERYSZAK
FESSENDEN	2850	CASS	10 46 54	96 48	895	MID MID					C HJ U S WEATHER BUREAU
FLASHER	2949	WELLS	1 46 27	101 14	1620	8A					H WIL E. RUST
FORBES 13 NW	3009	MORTON	1 46 27	101 14	1620	8A					GEORGE M. SINCLAIR
FORNAN	3117	SARGENT	10 46 06	97 39	1249	6P					THEODORE A. WIRCH
FORT YATES	3207	SIOUX	8 46 06	100 38	1640	8A 8A					H ART WATERMAN
FOZBOM 7 N	3217	WARD	12 48 27	101 34	1609	5P 5P					H SOIL CONSERVATIONIST
FULLERTON	3287	DICKIEY	5 46 10	98 25	1430	6P					U S WILDLIFE REFUGE
GACKLE	3309	LOGAN	5 46 38	99 08	1951	6P					F. O. ALIN
GARRISON	3376	MCKEAN	8 47 38	101 25	1911	7A 7A					ALVIN HUMMEL
GLEN ULLIN	3496	MORTON	4 46 49	101 49	2090						C ALBERT J. BEIERLE
GOLDEN VALLEY 10 S	3528	MERCER	6 47 10	102 03	1870	6P					C FREDERICK J. ANHORN
GRAFTON	3594	WALSH	10 48 25	97 25	827	5P					C ROBERT M. BACKFISCH
GRAND FORKS FAA AIRPORT	3614	GRAND FORKS	10 47 56	97 05	832	MID MID					H GRAFTON STATE SCHOOL
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10 47 55	97 05	830	MID MID					C HJ U S FED AVIATION AGENCY
GRAND RAPIDS 1 N	3665	LA MOURE	5 46 28	98 21	1340	6P					UNIVERSITY OF N D
GRAND	3676	RENNVILLE	12 48 37	101 53	1625	6P					H ALBERT J. NESS
GRANVILLE	3686	MCKENRY	12 48 16	100 51	1504	7P 7P					C ROBERT DECKER
GRASSY BUTTE	3696	MCKENZIE	7 47 24	103 14	2660						H FRED ROBLE
GRENDRA	3736	WILLIAMS	8 48 37	103 56	2131	6P					C LYNDON R. LANPHEAR
HAGUE	3826	ENDS	10 46 02	100 00	1898	6P					JOHN A. LAURA
HALL IDAY	3846	DUNN	6 47 21	102 20	2048	6P					PETER KOCHER
HANKINSON R R STATION	3908	RICHMOND	10 46 04	96 54	1068	7A 7A					IRVIN RICHAU
HANNAFORD	3926	GRIGGS	11 47 18	98 12	1428						500 LINE AGENT
HANNAH	3936	CAVALIER	9 48 59	98 41	1570	6P					LARRY BROTEN
HANSBORG	3963	TOWNER	9 48 57	99 23	1590	7P 7P					U S CUSTOMS OFFICE
HARVEY	4013	WELLS	11 47 46	99 55	1595	6P					H JOE FAHNNKOFF
HAZELTON R R STATION	4083	ENDS	8 46 29	100 17	1978						C STEPHEN SCHREDER
HETTINGER	4178	ADAMS	3 46 00	102 38	2680	6P 6P					C V. G. SHAM
HETTINGER 17 N	4186	ADAMS	1 46 15	102 39	2610						H FRED O. FORTUN
HILLSBORO	4203	TRAILL	10 47 24	97 04	1901	6P					C D. J. GERBRACHT
HURDISFIELD	4343	WELLS	5 47 27	99 55	1915	6P					C ALFRED JANKE
JANESTOWN FAA AIRPORT	4413	STUTSMAN	5 46 55	98 41	1492	MID MID					C RUTH BUCHWITZ
JAMESTOWN STATE HOSP	4418	STUTSMAN	5 46 53	98 41	1457	7P 7P					H U S FED AVIATION AGENCY
KEENE 2 S	4571	MCKENZIE	8 47 54	102 54	2348	6P 6P					N D STATE HOSPITAL
KENNAW	4644	WARD	12 48 40	102 05	1800	8A 8A					KENNETH V. BERGET
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5 47 16	98 52	1451	5P					THEO. E. ECKBERG
KILLDEER 8 NW	4726	DUNN	7 47 26	102 53	2240						H W. K. SILVERSTON
KRAMER 5 SE	4823	BOTTINEAU	12 48 39	100 37	1457	5P					C LEONARD P. MALONE
LANGDON EXP FARM	4958	CAVALIER	10 48 45	98 20	1615	5P					N D SOLDIERS HOME
LARIMORE	5013	GRAND FORKS	10 47 55	97 38	1134	5P					HELVIN ROVIE
LEEDS	5078	BENSON	2 48 17	99 26	1515	6P					LOSTWOOD WILDLIFE REF
LEFOR 10 E	5088	STARK	4 46 30	102 21	2545	5P					BENSON COUNTY AGRIC SCH
LINTON	5210	ENDS	8 46 16	100 14	1685	6P					C PAUL A. KRETSCHMAR
LISBON	5220	RANSON	11 46 26	97 42	1089	5P					V. STURLAUSON
LITCHVILLE	5230	BARNES	11 46 39	98 11	1467	6P					NELSON B. ENGEN
LOSTWOOD 12 N	5320	BURKE	12 48 33	102 24	2250	6P					CLARENCE MCCORMACK
MADDOCK AGRIC SCHOOL	5434	BENSON	11 47 58	99 30	1604	6P					JOSEPH LINK
MANDAN EXP STATION	5479	MORTON	8 46 45	100 52	1674	5P					LEONARD P. MALONE
MANDAN FT LINCOLN PARK	5484	MORTON	6 47 14	102 46	2219	6P					N D SOLDIERS HOME
MANNING	5519	DUNN	7 46 18	101 55	2710	8A 8A					HELVIN ROVIE
MARMARTH	5575	SLOPE	8 47 49	101 18	2093	8A 8A					LOSTWOOD WILDLIFE REF
MAX	5638	MCKEAN	10 47 30	97 19	975	6P					BENSON COUNTY AGRIC SCH
MAYVILLE	5660	TRAILL	8 47 29	100 28	1943	6P					C R. M. SCHAFER
MCCLEARY	5710	SHERIDAN	8 48 36	102 56	2221	6P					H M. A. RAGA2
MCGREGOR	5720	WILLIAMS	8 48 36	102 56	2221	6P					C ELMER L. SCHIELE
MCKENRY 3 N	5730	ODGE	11 47 38	98 35	1509	7P 7P					H O. N. SILVERSTON
MCKLEO 3 E	5754	RICHMOND	11 46 24	97 14	1075	7P					C E. BLASKY
MCVILLE	5764	NELSON	10 47 46	98 10	1467	6P					H GORDON E. CARLSON
MCNEHA	5798	STUTSMAN	8 46 53	99 19	1795	6P					ROBERT D. GETZ
MCNEHA 3 NNE	5813	BILLINGS	7 46 58	103 30	2250	5P					NORMAN GRAY
MCNEHA 23 NW	5833	FOSTER	7 47 17	103 36	2123	7A					U S NATL PARK SERVICE
MELVILLE	5833	FOSTER	5 47 20	99 02	1625						ARCHIE E. MCADOO
MHINOT FAA AIRPORT	5988	WARD	12 48 16	101 17	1713	MID MID					C EDGAR S. STEIGER
MHINOT EXP STATION	5993	WARD	12 48 10	101 18	1720	8A 8A					H U S FED AVIATION AGENCY
HOFFIT 4 SE	6015	BURLEIGH	8 46 40	100 14	1760	5P 5P					C N. CENTRAL AGRIC EXP STA
NOHALL	6025	RENNVILLE	12 48 46	101 31	1639	6P					U S FISH AND WILDLIFE
MONTPELIER	6105	STUTSMAN	5 46 42	98 35	1379	6P					H W. E. PUROY
NOTT	6155	HETTINGER	1 46 23	102 20	2420	5S 5S					C ROLF HANSON
NUCHIC 4 SW	6195	CAVALIER	2 48 38	98 53	1598	7P 7P					C H GUSTAVE M. FIEDLER
NAPOLEON	6255	LOGAN	8 46 30	99 46	1955	6P					

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Weighing Rain Gage Recording Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- J "Supplemental Data" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Station History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest issues of Local Climatological Data Annual, obtained as indicated above, price 15 cents.

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FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

MARCH 1960
Volume 69 No. 3



ASHEVILLE: 1960

NORTH DAKOTA - MARCH 1960

WEATHER SUMMARY

The cold air that invaded the State during the last half of February continued its influence during the first half of March. In this period there were outbreaks of minor storm systems but the resulting precipitation was very light. The influx of warmer air in the middle of the month ended a period of 4 weeks in which minimum temperatures of the greater part of the State were zero or below. As a result of this prolonged period, all sections of the State experienced below-normal temperatures for the month. Since the storms across the State were only of a minor nature, all of the areas received an average of four-tenths of an inch less than normal precipitation for the month. Above-freezing temperatures that began on the 20th caused considerable snow melt, resulting in bankfull conditions on the Heart and Knife Rivers. The unseasonably warm mid-seventy temperatures on the 26th brought up the bottom ice on the Heart which caused flooding in the lowlands between Bismarck and Mandan. Highway 10 was closed late on the 26th and opened on the morning of the 30th. During this same period there was minor flooding on streams in the southern part of the State resulting from the rapid snow melt. The water from the Little Missouri in the Yellowstone brought minor flooding to the lowlands at Williston when the ice jammed downstream from that city.

Sanford R. Miller
State Climatologist
U. S. Weather Bureau
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 78° on the 27th at Fort Yates
Lowest Temperature: -33° on the 4th at Medora 3 NNE
Greatest Total Precipitation: 1.08 inches at Linton
Least Total Precipitation: 0.10 inch at Two Stations
Greatest one-day Precipitation: 0.62 inch on the 28th at Hannah
Greatest Total Snowfall: 16.0 inches at Watauga S. Dakota 8 N
Deepest Snow on Ground: 18 inches on the 16+ at Towner

SUPPLEMENTAL DATA

NORTH DAKOTA
MARCH 1980

Station	Wind direction		Wind speed		Relative humidity averages		Number of days with precipitation										Percent of possible sunshine	Average sky cover	sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
BISMARCK WB AIRPORT	WNW	12	13.2	43	NW	18	90	92	83	82	16	8	3	0	0	0	25	45	7.3
DEVILS LAKE WB CITY	N	-	7.9	29	N	21	-	86	73	80	16	8	3	0	0	0	27	59	7.7
FARGO WB AIRPORT	N	21	14.2	56	N	21	79	80	76	75	13	5	0	0	0	0	18	54	7.3
WILLISTON WB CITY	SE	-	7.2	27	W	26	-	80	69	68	10	7	0	0	0	0	17	53	7.5

CLIMATOLOGICAL DATA

Station		Temperature										Precipitation																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No of Days																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
											Max	Min	10° or Above	23° or Below	32° or Below					60° or Below	Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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CLIMATOLOGICAL DATA

NORTH DAKOTA
MARCH 1960

CONTINUED

Station	Temperature													Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days				
										Max									Total	Max Depth on Ground	Date	10 or More				
										32° or Above	32° or Below	32° or Below	32° or Below	32° or Below												
TURTLE LAKE	28.2	8.3	18.3		63	26	-21	4	1446	0	19	31	12		.24		.11	10		6	17+	1	0			
UNDERWOOD & ESE	27.0	8.4	17.7		63	26	-20	4	1461	0	20	31	10		.44		.14	10				1	0			
WASHBURN	29.1M	9.9M	19.5M	- 6.1	64	26	-17	4	1407	0	21	31	10		.30	- .39	.15	10				1	0			
WATFORD CITY	33.0	11.0	22.0	- 3.6	70	26	-20	4	1328	0	13	29	10		.67	- .18	.35	31	3.0	5	14+	2	0			
WATFORD CITY 14 S	34.7	8.0	21.4		74	26	-29	4	1347	0	13	31	11		.46		.21	31	4.5	5	14+	1	0			
WILTON	26.6	8.7	17.7		58	26	-18	4+	1465	0	20	31	13		.46		.15	10	9.5			1	0			
DIVISION			18.5	- 5.1											.41	- .34			4.7							
CENTRAL DIVISION																										
CARRINGTON	AM 25.1	2.8	14.0	- 8.2	52	27	-20	5+	1578	0	21	31	17		.27	- .47	.09	16	5.0	7	16+	0	0			
FESSENDEN	27.4	6.1	16.8	- 6.1	52	26	-20	4	1488	0	18	31	14		.56	- .22	.24	18	6.1			0	0			
JAMESTOWN FAA AIRPORT	26.5	6.8	16.7		54	26	-17	4	1493	0	21	31	11		.22		.10	10	2.4	4	13+	1	0			
JAMESTOWN STATE HOSP	26.8M	9.0M	17.9M	- 7.0	52	26			1437	0	21	30	11													
KENSAL WILDLIFE REFUGE	27.6	6.5	17.1		52	27	-20	4	1481	0	19	30	13		.23		.06	28	2.5	7	16+	0	0			
MC CLUSKY	27.4	8.0	17.7	- 5.7	59	26	-22	4	1462	0	18	31	13		.31	- .53	.10	10	2.2	3	15+	1	0			
MC HENRY 5 N	24.9	4.2	14.6		47	26	-25	4	1558	0	20	31	13		.34		.17	15	3.4	11	16+	1	0			
PETTIBONE	24.4	6.3	15.4	- 7.3	45	27+	-25	4	1534	0	21	31	13		.38	- .41	.15	10	12	19+	2	0				
STEELE	27.1	7.7	17.4	- 6.4	51	26	-20	4	1470	0	18	30	14		.26	- .34	.08	10+	6.5	7	10	0	0			
DIVISION			16.4	- 6.6											.32	- .46			4.0							
EAST CENTRAL DIVISION																										
AMENIA	28.2	8.4	18.3		49	26	-15	4	1444	0	18	30	11		.42		.20	28	4.0	5	15+	1	0			
COOPERSTOWN	26.1	5.8M	16.0M		48	26	-23	4	1518	0	21	31	13		.32	- .46	.08	28+	4.0	11	16+	0	0			
FARGO WB AIRPORT	25.1	5.9	15.5	- 9.8	48	26	-18	4	1526	0	21	31	12		.11	- .78	.03	28+	2.4	3	17+	0	0			
HILLSBORO	27.1	6.3M	16.7M	- 7.4	46	28	-15	4	1509	0	19	30	10		.28	- .55	.08	25+	2.5			0	0			
MAYVILLE	25.5	7.0	16.3	- 8.2	48	26	-17	5+	1505	0	23	30	11		.20	- .48	.06	25	1.5	4	19+	0	0			
SHARON	23.9	5.3	14.6	- 7.8	45	26	-22	4	1558	0	23	31	13		.15	- .73	.04	29+	3.0	10	16+	0	0			
VALLEY CITY	27.3	6.7	17.0	- 9.0	54	26	-20	4	1479	0	19	30	12		.17	- .58	.04	10	2.1	9	18+	0	0			
DIVISION			16.3	- 7.8											.24	- .54			2.8							
SOUTHWEST DIVISION																										
AMIDON	AM 32.1M	14.1M	23.1M		71	27			1274	0	16	28	10		.44		.11	10				2	0			
BEACH	33.5	10.5	22.0		72	27	-27	4	1329	0	15	28	10		.39		.18	31	1.5	4	9+	2	0			
BELFIELD	34.3	11.9	23.1		70	26	-22	4	1294	0	15	27	8		.34		.26	8				1	0			
BOWMAN COURT HOUSE	35.8	13.0	24.4	- 2.1	74	26	-24	4+	1248	0	15	25	8		.20		.05	10+	5.6	5	17+	0	0			
OICKINSON FAA AIRPORT	31.8	11.1	21.5		72	26	-19	4	1345	0	16	30	9		.43		.09	29				0	0			
OICKINSON EXP STATION	30.9	7.9	19.4	- 4.5	72	27	-24	4	1407	0	16	30	11		.58	- .18	.25	29	5	16+	2	0	0			
FAIRFIELD	AM 31.3	10.8	21.1		69	26	-19	4+	1357	0	16	29	8		.37		.12	31	2.0	10	16+	2	0			
HETTINGER	33.5	11.4	22.5	- 4.5	75	26	-20	4	1314	0	14	29	10		.34	- .38	.15	8	6	14	1	0				
MARMARTH	37.3	12.0	24.7	- 3.3	76	27	-28	4	1247	0	14	27	9		.52	- .28	.28	29	3.2	3	13+	2	0			
MEORA 3 NNE	37.2M	8.6M	22.9M		77	26	-33	4	1320	0	14	27	9		.57		.24	29	3.5	4	8	3	0			
MOTT	32.5	10.5	21.5	- 5.1	75	26	-27	4	1342	0	15	30	9		.52	- .27	.35	8				2	0			
NEW ENGLAND	34.0	10.7	22.4	- 4.6	75	26	-23	4	1318	0	15	28	10		.72	- .39	.18	8	10	16+	4	0	0			
RICHARDSON ABBEY	31.7	11.4	21.6	- 3.9	72	26	-19	4	1341	0	15	27	9		.37	- .68	.20	29	1.9	3	17+	1	0			
TROTTERS 3 S	34.0	12.3	23.2		71	26	-24	4	1295	0	15	29	9		.45		.21	31	3.6	6	16+	1	0			
DIVISION			22.4	- 3.6											.45	- .40			3.0							
SOUTH CENTRAL DIVISION																										
ALMONT 7 SW	29.3	10.9	20.1		71	26	-18	4	1385	0	19	29	10		.43		.11	14	5.6	8	15	2	0			
BISMARCK WB AIRPORT	29.3	10.8	20.1	- 6.6	74	26	-15	13+	1390	0	17	29	11		.67	- .09	.22	10	11.7	8	15+	3	0			
BRIEN	31.0	9.8	20.4		75	26	-25	4	1377	0	16	29	10													
CARSON	AM 27.9	7.8	17.9	- 7.5	72	27	-23	4	1455	0	18	30	11		.38	- .73	.15	10				1	0			
FORT YATES	AM 28.6	6.9	17.8	-10.1	78	27	-21	4	1458	0	17	30	11		.50	- .30	.15	10	5.4			2	0			
LINTON	30.5	9.1	19.8	- 6.9	60	26	-26	4	1395	0	15	28	11		1.08	.36	.41	10	10.3	11	10	4	0			
MANOAN EXP STATION	26.7	7.8	17.3	- 7.3	69	27	-19	4	1475	0	17	30	11		.38	- .52	.22	10	10.9	8	15	1	0			
MANOAN FT LINCOLN PARK	31.9	9.3	20.6		72	26	-18	4	1370	0	15	31	11		.34		.21	10	6.0	7	15+	1	0			
MOFFIT 4 SE	28.3	7.4	17.9		63	26	-22	4	1456	0	17	31	11		.14		.37	6	3.5	4	15+	0	0			
NEW SALEM 1 SE	28.0M	8.5	18.3M	- 6.7	72	26	-20	4	1438	0	19	31	11		.64	- .17	.25	10	10.0			2	0			
DIVISION			19.0	- 6.6											.51	- .32			7.9							
SOUTHEAST DIVISION																										
ASHLEY	25.0	4.9	15.0	- 9.7	46	27	-25	4	1546	0	21	31	14		.29	- .48	.08	10	7.0	10	20+	0	0			
EDGELEY EXP FARM	26.2	5.2	15.7	- 9.7	51	27	-16	4	1522	0	20	30	12		.36	- .40	.14	11	4.0	5	21+	1	0			
ELLENDALE	28.1	7.9	18.0	- 8.6	46	31	-14	14	1449	0	17	29	11		.53	- .47	.13	10	6.8	11	16	3	0			
ENOERLIN	26.6	4.0	15.3		48	27	-18	4	1533	0	19	31	12		.10		.03	19+		8	20+	0	0			
FORMAN	26.5M	6.0M	16.3M		49	26	-17	4	1504	0	19	30	12		.56	- .36	.24	9				3	0			
FULLERTON	29.8	6.4	18.1	- 8.6	47	31	-18	14	1448	0	16	29	11		.49	- .77	.22	10				2	0			
GACKLE	26.1	5.1	15.6		47	26	-23	4	1526	0	21	31	14		.16		.05	15	5.6	6	17+	0	0			
GRAND RAPIDS 1 N	29.2	6.1	17.9		50	31	-21	4	1462	0	17	30	11		.45		.24	10	3.5	10	15	1	0			
HANKINSON R F STATION	29.3	4.1	14.9	-10.9	47	27	-14	5+	1547	0	23	31	15		.20	- .90	.10	7				0	0			
LISBON	25.6	6.7	18.0	- 8.2	48	26	-17	4	1449	0	16	30	12		.28	- .62	.07	18	3.9	6	20+	0	0			
MC LEOO 3 E	27.3	4.6	16.0	-10.3	48	26	-21	4	1513	0	19	30	14		.17	- .82	.03	29+				0	0			
NAPOLEON	26.1	5.8	16.0	- 8.0	49	26	-25	4	1515	0	20	31	14		.45	- .50	.14	10	4.0	7	18+	2	0			
OAKES	28.2																									

DAILY PRECIPITATION

NORTH DAKOTA
MARCH 1960

Station	Foot	Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
AMERICAN	24	T	T	T				.02	.02	.08	T	.08				T	T																	
ADAMS 7 S	35															.02	.08																	
ALFANDER	41																																	
ALMONT 7 SW	41																																	
AMBRIDGE 4 N	41																																	
AMENIA	42																																	
AMJON	42	.02	.04				.01	.02		.08	.02	.06																						
ARVILLA STATE PARK	48	.10																																
ASHLEY	49			.03				.02	.06																									
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02				.05	.06		.01	.05																						
ATLANTA	49			.02																														

See reference notes following Station Index.

DAILY PRECIPITATION

NORTH DAKOTA
MARCH 1960

Continued

Station	Total	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PETTIBONE	.38		.02			.02	.04	T	T	T	.15				T	.10			.02										.03	T		.19	
PORTAL	.41			T				.03	T	.05	.12	T				.02				.02												.30	
POWERS LAKE 1 N	.34		.02	T				T	.09	.11	.04			T	.06	T	T	T					T	T	T							.06	
PRETTY ROCK	.10													T						.04													
RAUB 1D SSW														T			T																
REEDER	.29		T			T		T	.22	T	.07				T	T														.09			
REEDER 14 N	.30		T			.02			.03	.11	.05				.02	.01	T	T	T											.20			
RICHARDSON ABBEY	.37		.02	.01		T	.01	T	.05		.05					.01	T	T	T		.05				T	T				T	T		
RIVERDALE	.18	T	T	.04		T	T		T	T	.08				.08	.11	T	T	.04											.07	.02	.13	
ROLLA	.60							.07	.01	.03	.04																						
RUGBY	.50		.01	.01		T		T	.01	.02	.06			T	.07	T	T	.11												.02	.01	.18	
RYOER	.43	T	T			.02			T	.02	.13		T		T	.06														.03	T	.18	
SAN HAVEN	.42							.02	T	.02	.03	T	T			.08	T		.02													.16	
SELFIDGE 5 W	.32							.09	.03	.22							.04	T													.23	.08	
SENTINEL BUTTE 20 S	.57		.04																														
SHARDN	.15			T				.02	T	T	.02	T			T	.04	T		T											.03	.04		
SHERWOOD 3 N	.38							.03	T	.04	.03					.02																	
SHIELDS	.46			T		T	T	.18	.18		.07				.02		T	T	T		.03	T								T	T		
STANLEY	.26		.04	.02			.04	.08	T	.01	.08				T	T	T	T		.03	T												
STEELE																																	
SYKESTON	.43										.10								.15											.18	T		
TAGUS	.49							T	T		.11						T				.06											.30	
TIDGA 1 E	.40	.05	T	T		T		.02	T	.02	.08																					.23	
TOWNER	.45							.05			.10																						
TROTTERS 3 S	.45	T	.03	T		.01	T			.06	.06	.03			T		T	T	T												.05	.21	
TURTLE LAKE	.24		T	.03				T	T		.11				.01	.01				.05												.01	
TUTTLE	.45							.09	T	.04	.10				.19	T			T													.03	
UNDERWOOD 4 ESE	.44		.03	.03			.01	.02	.01	.14					.03	.07			T		.04											.04	
UPHAM 3 N	.42							T	T	.02	.14				T	.05			T													.02	
VALLEY CITY	.17		T	.01	T		T	.01	.01	.02	.04	T	T		T	.02	T		.02												.03	.01	
VELVA	.22			.01				T	T	T	.14	T			T	.01		.01	T	.05		.01											
VERONA	.21						.02	.03	T		.10						.01	T		.02												.03	
WAMPETON	.22						.04				.07																						
WALHALLA	.18	-	-	-	-	-		.04	-	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WARWICK																.10																	
WASHBURN	.30		.02				.02	.03		T	.15					.05					.03												
WATAUGA 5 OAKOTA 8 N	.65					.12		.08	.23		.18					.04																	
WATFORD CITY	.67							.06			.16																						
WATFORD CITY 14 S	.46		.03	T		.01	.07	.01		.09																							
WESTHOPE	.51		T	T				.03	T	T	.17				T																		
WILDROSE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
WILLISTON 18 CITY	.28		T			T	.02	T	.05	.07	.02	T	T			.02	T	T															
WILLISTON EXP FARM	.12							.01	T	.02	.03																						
WILLOW CITY	.46		T	.01				.01	T		.15					.01	.10			.03													
WILTON	.46			.02				.08		.02	.15					.02	.05				.05												
WISHEK	.36			.03				.08	.05	.03						.05	.03	.03	.03	.03													
WOODMORTH	.64		.02					.04			.20					.05																	

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
MARCH 1960

Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	MAX 6 11 2 6 14 14 26 20 20 20 18 14 12 17 26 32 31 37 31 38 48 30 44 30 46 71 65 41 40 53 43 29.3	MIN -13 -6 -13 -18 -6 -1 2 10 9 13 0 -6 -8 -5 13 11 16 30 21 25 29 8 27 5 16 33 30 28 33 25 31 10.9																															
AMFENIA	MAX 12 10 12 10 12 17 15 21 25 24 23 24 22 20 27 34 36 36 31 36 40 25 38 22 42 49 42 45 42 37 45 28.2	MIN -10 -9 -3 -15 -10 -3 -2 12 17 10 2 -2 -5 -8 16 0 10 24 13 10 10 4 21 2 16 25 26 25 35 21 27 8.4																															
AMMOON	MAX 9 4 10 7 8 12 19 29 28 32 18 14 10 13 28 37 29 38 39 45 50 56 50 46 38 44 71 68 47 63 32.1	MIN -15 -8 -21 -3 -5 18 8 11 9 0 -1 0 -4 5 7 20 14 23 27 31 33 23 21 15 19 31 32 34 31 31 37 14.1																															
ARVILLA STATE PARK	MAX 6 7 0 -3 15 18 20 30 22 26 22 27 30 35 37 10 36 30 25 34 20 43 49 46 48 38 43 27.1	MIN -17 -14 -18 -22 -21 -13 -14 9 14 0 -7 -9 -6 -12 27 30 35 37 10 36 30 25 34 20 43 49 46 48 38 43 27.1																															
ASMLEY	MAX 4 7 3 5 8 13 16 18 21 22 17 12 15 17 25 29 30 35 28 29 41 23 39 32 40 43 46 37 36 40 43 25.0	MIN -17 -8 -19 -25 -12 -11 -6 12 9 7 -7 -9 -13 -9 15 9 19 21 5 -5 19 -2 12 -3 11 28 27 24 31 24 26 4.9																															
BEACH	MAX 8 1 6 -3 10 14 18 28 28 35 18 18 15 20 27 38 28 38 40 48 52 52 56 46 33 52 72 56 70 50 64 33.5	MIN -19 -15 -25 -27 -19 -10 5 6 11 4 -3 -8 -10 -2 10 13 15 22 28 32 32 24 26 18 18 33 32 32 33 32 37 10.5																															
BELCOURT INDIAN RES	MAX 8 5 2 2 11 12 13 15 21 18 23 22 20 16 24 32 28 33 28 26 42 17 32 16 38 41 45 32 33 28 37 23.2	MIN -18 -22 -17 -30 -22 -18 -12 4 13 12 -14 -11 -19 -5 14 11 15 22 28 32 32 8 -8 16 -8 7 -17 38 41 45 32 33 28 37 23.2																															
BELFIELD	MAX 6 7 2 10 14 22 32 25 36 24 15 14 18 22 40 32 39 40 49 52 41 44 31 48 70 58 67 57 55 56 34.3	MIN -14 -7 -19 -22 -9 5 10 10 7 7 -3 -7 -16 9 3 32 36 40 40 49 52 41 44 31 48 70 58 67 57 55 56 34.3																															
BEULAM	MAX 6 11 5 8 11 14 25 24 24 22 16 13 17 22 35 34 36 38 33 40 47 32 45 32 48 72 62 42 41 55 47 30.9	MIN -13 -8 -16 -23 0 -3 4 -5 13 7 -9 -12 -21 -1 10 34 36 38 33 40 47 32 45 32 48 72 62 42 41 55 47 30.9																															
BAISIFF	MAX 4 6 2 2 12 12 15 18 25 25 17 17 18 18 29 28 31 31 27 30 28 21 32 10 38 42 40 33 32 30 35 22.8	MIN -23 -12 -12 -26 -17 -10 -7 1 14 14 -5 -12 -12 -11 15 20 11 24 20 1 5 -6 2 -10 5 15 21 16 32 30 35 22.8																															
BISMARCK WB AIRPORT	MAX 6 7 2 7 13 11 23 23 23 21 15 12 12 19 28 35 35 38 31 38 47 35 44 23 46 74 57 38 43 51 47 29.3	MIN -8 -2 -10 -15 -1 -1 23 23 23 0 -7 -11 -15 -10 16 4 22 31 19 24 18 9 20 8 20 34 32 38 43 51 47 29.3																															
BOTTINEAU	MAX 5 12 5 -3 2 7 15 16 17 23 19 12 15 12 19 27 30 34 34 30 32 40 23 33 24 35 44 36 33 34 32 22.5	MIN -21 -19 -14 -3 -2 7 -1 -6 9 14 -2 -11 -15 -10 3 10 9 14 12 3 14 -8 0 -10 -2 16 27 18 21 19 1.7																															
BOWBELLS	MAX 1 1 0 -4 8 11 15 18 21 23 20 10 14 18 20 32 28 34 32 29 38 36 28 34 28 37 55 37 33 32 44 23.6	MIN -16 -16 -19 -22 -21 -2 5 3 7 6 0 -10 -12 0 7 13 11 18 15 26 29 6 7 3 5 25 30 27 27 22 26 6.5																															
BOWMAN COURT HOUSE	MAX 8 8 -2 8 11 17 32 30 29 25 23 20 17 22 35 29 38 40 45 52 56 46 47 44 51 74 64 68 49 65 60 35.8	MIN -16 -5 -24 -24 -8 -2 8 17 5 9 -5 1 -8 5 6 29 34 40 45 52 56 46 47 44 51 74 64 68 49 65 60 35.8																															
BREIEN	MAX 7 11 5 10 14 14 30 24 23 21 17 12 11 18 32 35 32 37 36 38 49 35 46 37 48 75 60 41 42 52 48 31.0	MIN -12 -4 -15 -25 0 -4 3 15 11 11 -8 -12 -17 -7 10 11 20 25 16 25 28 8 27 6 16 28 35 29 35 21 28 9.8																															
BUTTE	MAX 9 8 11 1 8 14 14 24 20 22 20 12 16 18 20 20 33 35 35 32 38 41 32 33 26 42 57 36 36 38 45 25.7	MIN -15 -14 -10 -19 -17 -14 0 7 13 14 1 -7 -8 -1 5 13 13 16 20 17 20 2 5 2 5 25 30 25 26 25 26 6.6																															
CARRINGTON	MAX 10 5 10 0 10 16 17 19 20 22 23 17 10 22 20 29 30 33 35 28 34 39 28 38 20 42 52 32 37 36 38 25.1	MIN -17 -15 -13 -20 -20 -12 -8 5 12 11 -3 -7 -7 -9 -5 9 10 20 29 30 33 39 28 38 20 42 52 32 37 36 38 25.1																															
CARSON	MAX 13 5 11 2 8 12 15 27 20 20 21 15 12 11 20 28 32 35 38 33 40 48 36 44 22 46 72 43 42 42 53 27.9	MIN -12 -6 -16 -23 -22 -1 0 7 8 7 -11 -8 -16 -1 10 11 18 20 28 32 35 38 33 40 48 36 44 22 46 72 43 27.9																															
CAVALIER	MAX 12 11 7 11 15 18 16 18 24 24 23 22 25 24 26 33 35 33 29 32 39 19 31 13 38 42 42 34 35 29 38 25.7	MIN -9 -8 -4 -15 -13 -8 -5 0 16 12 1 -2 -2 -6 14 33 35 33 29 32 39 19 31 13 38 42 42 34 35 29 38 25.7																															
CENTER	MAX 6 10 2 7 12 12 25 22 23 20 16 12 14 20 28 32 31 34 37 32 36 42 30 39 28 42 52 32 37 36 38 25.1	MIN -14 -8 -15 -22 -5 -8 -2 -6 8 10 -4 -12 -20 -5 14 10 19 24 33 36 43 4 25 9 16 30 32 26 33 24 33 8.6																															
COOPERSTOWN	MAX 9 8 5 7 13 18 15 18 25 22 21 14 21 19 26 30 32 34 28 30 40 30 36 22 39 48 47 39 40 33 40 26.1	MIN -17 -11 -10 -23 -14 -9 -5 10 13 10 -4 -11 -15 -8 13 11 19 25 8 20 -2 17 -4 14 23 27 23 32 20 26 5.8																															
CROSBY	MAX 0 -1 -1 5 10 14 17 23 25 24 15 14 18 22 31 28 37 38 32 35 35 32 36 25 42 59 44 38 36 49 48 26.8	MIN -14 -13 -17 -24 -9 -3 3 -2 14 5 -2 -8 -10 -4 4 17 8 26 18 23 20 10 19 2 23 28 30 30 26 25 26 8.4																															
DEVILS LAKE WB CITY	MAX 0 5 -1 5 13 13 15 18 25 22 16 12 20 20 28 30 31 32 25 31 36 22 33 16 37 47 39 37 35 32 37 23.6	MIN -18 -15 -14 -21 -10 -6 -2 10 12 6 -1 -10 -9 -6 14 16 21 12 7 -1 0 -6 0 -11 15 20 21 20 25 17 27 3.6																															
DICKINSON FAA AIRPORT	MAX 6 7 1 8 13 14 28 21 29 22 17 15 14 22 33 31 36 38 36 45 52 41 45 26 50 72 47 61 47 61 50 31.8	MIN -12 -11 -17 -19 0 4 9 5 5 0 -2 -8 -11 6 5 19 15 26 20 30 20 18 20 13 20 34 31 30 32 31 30 11.1																															
DICKINSON EXP STATION	MAX 10 4 8 -2 10 11 17 26 23 30 19 17 14 15 23 33 31 37 39 38 46 51 41 46 33 50 72 48 62 47 60 30.9	MIN -15 -12 -18 -24 -16 -1 5 6 3 6 -5 -15 -18 -2 0 33 31 37 39 38 46 51 41 46 33 50 72 48 62 47 60 30.9																															
FAKE	MAX 13 8 9 5 7 12 13 24 20 22 24 21 18 17 21 29 34 34 37 32 36 42 30 39 28 42 57 34 35 38 42 26.6	MIN -18 -17 -12 -20 -18 -3 -1 6 14 14 -3 -10 -11 -5 2 9 12 15 18 14 28 0 3 -1 28 42 57 34 35 38 42 26.6																															
FANN CENTER 2 SW	MAX 9 8 9 -1 9 13 13 15 22 23 19 15 13 15 23 35 30 38 38 35 42 46 37 43 30 42 66 42 51 41 60 28.9	MIN -12 -9 -17 -20 -19 -4 6 -5 5 7 -2 -12 -19 -8 7 10 10 16 22 27 30 10 14 10 30 42 66 42 51 41 60 28.9																															
FARMAN 2 SE	MAX 0 7 6 0 9 12 15 28 20 23 20 14 11 15 23 30 33 34 35 30 35 39 26 35 25 37 57 36 34 36 40 24.7	MIN -21 -21 -17 -25 -25 -12 -6 -2 5 13 0 -12 -17 -14 -8 3 5 7 18 8 21 -1 2 8 6 21 23 24 24 25 25 1.8																															
GELEY EXP FARM	MAX 19 10 10 7 10 11 13 13 19 23 22 17 12 22 21 25 31 33 37 30 35 45 30 41 23 44 51 39 40 39 39 26.2	MIN -11 -10 -10 -16 -13 -7 -7 4 7 2 -1 -5 -10 -13 -10 11 14 22 14 9 12 5 7 3 4 23 35 24 27 25 26 5.2																															
MORE 1 N	MAX 3 7 3 0 10 13 13 15 22 23 19 15 13 15 23 35 30 38 38 35 42 46 37 43 30 42 66 42 51 41 60 28.9	MIN -26 -21 -17 -29 -17 -14 -16 6 13 21 20 14 16 18 26 28 30 30 28 27 35 18 32 14 35 40 38 34 35 31 36 22.3																															
LENDALE	MAX 12 10 9 11 12 16 15 22 26 23 20 20 18 23 28 31 33 38 33 33 44 28 40 39 42 42 40 40 39 37 46 28.1	MIN -11 -4 -10 -11 -13 -3 -7 13 12 4 -1 -3 -11 -14 14 9 17 15 12 8 16 5 16 4 13 29 33 25 34 26 28 7.9																															
LOERLIN	MAX 14 10 10 12 11 14 14 16 20 27 24 22 19 24 20 28 34 37 37 31 33 42 27 39 19 41 48 35 45 38 34 26.6	MIN -13 -10 -8 -18 -16 -11 -11 5 12 9 -2 -7 -10 -13 -2 2 2 22 12 6 16 3 5 2 3 19 31 20 27 25 23 4.0																															
IRFIELD	MAX 0 9 -5 8 10 11 24 21 30 24 14 11 14 21 37 28 34 37 37 42 46 42 42 31 46 69 66 61 49 61 50 31.3	MIN -15 -9 -19 -19 -9 2 6 3 6 2 -3 -6 -11 -10 12 0 5 23 18 12 29 20 29 31 12 27 6 46 69 66 61 49 61 50 31.3																															
IRGO WB AIRPORT	MAX 9 10 8 7 11 14 15 21 25 24 20 13 15 21 26 29 30 32 27 28 37 23 36 15 37 48 37 44 40 30 46 25.1	MIN -11 -8 -8 -18 -10 -5 -6 8 14 15 -2 -8 -11 -10 12 0 5 23 18 12 29 20 29 31 12 27 6 46 69 66 61 49 61 50 31.3																															
SENDOEN	MAX 10 10 4 8 15 13 20 20 25 24 20 17 20 20 28 35 33 40 33 31 42 24 41 20 43 52 48 37 37 40 40 27.4	MIN -17 -13 -11 -20 -12 -8 -8 -2 12 10 0 -10 -11 -5 16 10 20 27 6 -1 19 2 16 -5 15 25 27 24 30 24 30 6.1																															
ARMAN	MAX 9 9 8 9 15 15 18 18 30 21 20 15 13 23 33 30 33 36																																

DAILY TEMPERATURES

NORTH DAKOTA
MARCH 1960

Continued

Station	Day Of Month																																	Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
GACKLE	MAX MIN	5 10 3 -18 -9 -15	7 13 18 -23 -13 -9	17 20 23 -7 10 7	22 16 12 10 -7 -11	19 20 25 -13 -10 15	30 30 35 10 20 20	29 31 40 6 -3 20	24 37 28 -3 16 -5	38 47 46 16 16 26	42 37 39 45 28 32 25 28	26.1 5.1																						
GARRISON	MAX MIN	7 7 2 -16 -15 -10	0 7 11 -19 -13 -5	14 23 20 0 4 5	15 19 14 12 0 -8	18 12 20 -10 -10 6	32 31 35 8 12 15	34 36 36 19 20 23	41 33 39 5 10 4	34 40 10 25 30	40 38 36 35 25 25 24 26	24.3 6.5																						
GRAFTON	MAX MIN	9 7 5 -21 -18 -14	5 9 10 -27 -27 -16	15 17 22 -20 2 12	22 21 18 6 0 -15	17 15 22 -13 -11 8	31 35 29 5 5 21	27 25 36 0 12 -4	15 31 12 -4 6 -7	34 38 37 6 12 20	33 33 28 37 13 26 10 21	22.4 0.0																						
GRAND FORKS FAA AIRPORT	MAX MIN	6 7 6 -13 -13 -15	6 10 12 -22 -18 -12	17 20 24 -13 5 15	25 20 14 12 0 -10	17 19 26 -12 -6 13	28 30 32 5 4 22	26 27 37 9 3 7	24 34 15 3 8 -1	36 45 38 15 21 25	39 38 30 42 22 26 19 30	24.2 3.8																						
GRAND FORKS UNIVERSITY	MAX MIN	7 7 7 -13 -10 -6	6 11 13 -18 -13 -7	17 21 25 -8 6 18	25 21 15 14 0 -6	20 21 27 -5 -4 13	30 33 31 10 13 27	29 28 37 12 4 14	22 34 14 2 13 0	37 46 39 12 22 26	40 40 30 42 22 31 17 28	25.0 6.9																						
GRAND RAPIDS 1 N	MAX MIN	9 9 10 -12 -8 -12	12 16 15 -21 -15 -9	17 21 31 -15 13 10	26 21 19 5 -8 -13	24 27 30 -15 -17 12	34 35 39 12 20 38	32 37 45 10 2 20	26 40 35 4 18 8	35 45 41 13 25 31	42 40 41 50 25 35 26 27	29.2 6.1																						
GRANDVILLE	MAX MIN	11 9 3 -13 -10 -11	14 16 20 -20 -7 -4	25 28 28 5 10 16	22 15 19 12 0 -10	24 23 35 -13 -6 15	34 36 37 4 13 29	38 39 12 19 2	25 37 20 2 20 1	41 61 49 19 27 30	36 37 46 40 25 30 27 31	28.9 8.4																						
GRENOIRA	MAX MIN	5 4 0 -16 -13 -22	6 11 15 -22 -13 -3	22 25 31 1 2 13	27 16 17 0 -5 -9	20 25 36 -12 8 10	31 41 40 19 12 29	36 48 40 23 26 24	34 40 27 13 24 8	46 68 56 22 30 47	38 40 57 49 29 27 27 27	30.7 9.3																						
HANKINSON R R STATION	MAX MIN	18 11 10 -7 -9 -5	10 9 13 -14 -14 -8	15 15 18 -5 0 7	25 23 20 11 0 -2	19 18 17 -6 -10 -5	26 30 32 -10 -2 17	35 29 29 14 10 10	43 30 27 2 5 5	20 40 39 4 16 28	41 46 40 51 24 26 23 21	25.6 4.1																						
HANNAH	MAX MIN	5 6 0 -20 -20 -21	2 8 11 -27 -19 -15	15 16 24 -15 8 12	22 16 18 12 -10 -8	18 20 27 -12 -10 11	28 32 30 10 15 20	35 25 35 0 -6 5	22 29 11 -12 4 -17	35 40 39 5 15 18	40 33 29 35 10 23 12 24	22.3 -0.3																						
HANSBORO	MAX MIN	5 12 7 -14 -15 -11	8 15 13 -19 -12 -13	15 15 24 -3 2 14	22 17 15 12 -2 -4	20 17 24 -7 -7 15	28 31 32 14 20 25	33 35 37 20 15 9	18 30 16 -4 13 -5	35 45 38 9 10 12	45 33 29 30 15 23 12 18	24.0 5.1																						
HETTINGER	MAX MIN	8 10 2 -13 -13 -17	8 13 18 -20 -8 0	34 23 22 9 12 4	20 23 14 0 -6 -7	17 20 33 -14 6 6	33 35 41 14 15 33	37 44 57 24 29 31	49 47 31 17 29 14	54 75 59 17 34 32	59 52 60 50 31 32 29 32	33.5 11.4																						
HILLSBORO	MAX MIN	13 10 14 -10 -7 -4	10 14 12 -15 -13 0	18 22 27 -5 9 17	26 25 20 10 1 -7	19 24 27 -3 -7 11	33 35 34 5 10 26	31 32 38 14 23 19	30 35 20 3 11 1	35 45 37 10 23 26	46 37 34 38 18 28	27.1 6.3																						
JAMESTOWN FAA AIRPORT	MAX MIN	9 10 4 -14 -9 -14	8 14 14 -17 -10 -7	17 18 24 -4 13 12	22 18 16 3 -2 -6	23 20 26 -9 -6 14	30 31 35 14 23 19	29 31 41 11 6 8	26 38 20 2 8 1	41 54 43 16 27 26	40 38 37 44 25 30 24 28	26.5 6.8																						
JAMESTOWN STATE HOSP	MAX MIN	5 8 -12 -8 -7	7 13 12 -17 -6 -5	16 18 23 5 13 13	22 19 19 10 0 -7	16 21 29 -8 -6 13	32 32 36 14 23 24	30 32 36 12 8 18	25 37 20 3 20 2	40 52 44 15 20 28	38 38 35 43 24 33 25 28	26.8 9.0																						
KEENE 2 S	MAX MIN	6 6 0 -17 -13 -21	6 8 11 -22 -7 -6	19 21 25 7 1 10	23 17 13 0 -6 -9	16 23 38 -12 1 14	35 31 36 9 13 23	34 43 48 16 21 24	30 39 35 10 25 8	41 59 58 19 33 31	38 49 57 56 28 29 28 31	29.7 8.6																						
KENMARE	MAX MIN	5 5 5 -13 -13 -14	-1 10 17 -16 -16 -3	17 20 23 8 2 8	24 20 12 9 2 -7	15 21 22 -9 2 7	35 29 35 15 13 15	34 30 39 10 21 29	39 30 35 6 6 4	27 40 55 6 25 30	37 36 34 44 27 27 23 26	25.7 7.7																						
KENSAL WILDLIFE REFUGE	MAX MIN	10 8 6 -14 -11 -12	8 17 20 -20 -15 -10	16 20 26 -11 12 14	24 19 16 10 -5 -5	25 21 26 -8 -9 13	28 33 34 12 19 23	30 28 40 9 1 22	25 39 34 -2 19 -2	43 51 52 14 22 28	38 38 39 43 24 33 23 27	27.6 6.5																						
LANGDON EXP FARM	MAX MIN	8 8 4 -25 -16 -15	0 9 15 -27 -19 -9	12 15 20 -11 6 12	20 20 18 10 -10 -14	16 16 25 -16 -7 12	27 34 36 12 13 23	35 25 38 16 21 24	18 32 27 -13 5 -20	37 38 38 3 12 22	32 38 31 37 12 30 9 20	23.5 1.4																						
LARIMORE	MAX MIN	11 10 10 -14 -10 -8	8 14 18 -19 -14 -8	18 20 25 -10 10 15	24 22 19 12 1 -5	25 19 25 -5 -6 14	31 36 34 8 17 26	29 33 39 10 7 17	21 34 16 -2 13 -4	39 46 43 13 22 24	37 39 32 42 19 31 14 25	26.4 6.2																						
LEEOS	MAX MIN	4 8 3 -20 -17 -13	5 13 13 -22 -17 -16	16 20 25 -10 2 14	24 15 12 13 -3 -12	20 19 28 -10 -6 15	30 30 35 12 15 25	27 31 37 6 0 12	24 33 19 -4 13 -10	35 48 46 12 20 34	35 35 34 38 21 32 19 29	24.6 4.0																						
LINTON	MAX MIN	8 10 4 -15 -5 -12	9 16 16 -26 -8 -2	22 23 26 -3 12 15	24 28 20 8 -18 -10	15 18 32 -16 -5 14	34 34 39 17 20 29	36 39 49 21 22 26	34 45 36 4 22 2	46 60 56 15 28 33	37 41 48 41 28 35 33 27	30.5 9.1																						
LISBON	MAX MIN	14 11 11 -8 -10 -8	10 15 15 -17 -11 -8	18 19 28 -12 11 15	27 22 20 7 -2 -8	19 20 29 -10 -15 10	33 35 37 1 12 20	33 32 43 11 3 19	35 39 39 4 20 4	41 48 46 15 23 31	44 44 37 45 25 35 25 27	29.3 6.7																						
LOSTWOOD 12 N	MAX MIN	2 10 5 -19 -13 -20	10 14 15 -18 -16 -5	18 20 19 -4 -3 1	21 16 17 4 -1 -8	18 19 30 -21 0 5	28 32 36 10 12	35 40 39 13 19 20	28 34 28 2 15 -2	39 50 23 18 20 23	45 34 45 45 23 25 21 27	26.4 4.1																						
MADDOCK AGRI SCHOOL	MAX MIN	5 11 7 -18 -15 -11	8 13 16 -21 -13 -7	21 20 25 5 0 15	24 18 12 10 -1 -10	23 18 32 -12 -8 15	35 33 37 10 16 25	31 35 40 5 0 15	25 36 21 -5 15 10	37 48 46 7 15 27	37 41 48 41 23 33 22 30	26.7 5.7																						
MANOAN EXP STATION	MAX MIN	12 6 9 -13 -10 -10	0 7 7 -19 -12 -2	12 25 21 0 10 9	22 20 10 10 -3 -6	12 14 19 -11 -8 8	30 34 37 10 13 22	36 33 37 18 19 23	46 34 42 5 8 3	28 43 69 7 28 34	38 37 39 48 28 30 29 7.8	26.7 7.8																						
MANOAN FT LINCOLN PARK	MAX MIN	9 11 8 -13 -6 -11	9 15 15 -18 -6 -3	28 25 24 0 14 8	23 21 26 10 -3 -11	18 20 30 -12 -8 14	36 35 39 10 18 21	36 38 50 18 21 29	33 44 35 14 21 2	46 72 69 16 23 31	39 42 48 46 26 32 21 29	31.9 9.3																						
MARMARTH	MAX MIN	12 4 11 -17 -12 -25	0 13 14 -28 -17 -2	21 35 32 1 10 10	40 22 25 10 -6 0	21 24 31 -11 8 2	40 30 41 14 14 21	42 49 54 29 32 29	53 62 49 28 28 20	40 55 76 22 32 38	37 37 43 39 35 36 32 39	37.3 12.0																						
MAX	MAX MIN	6 8 10 -18 -18 -17	-1 6 13 -21 -21 -8	14 25 20 3 3 10	23 20 14 10 -3 -10	17 16 19 -16 -12 4	29 34 34 7 12 16	35 32 36 13 18 24	40 31 37 0 4 3	25 39 59 4 24 29	37 35 35 44 25 26 23 25	25.5 4.4																						
MAYVILLE	MAX MIN	9 4 6 -12 -8 -8	6 12 17 -17 -17 -8	16 22 22 -8 11 16	22 22 15 13 2 -5	25 21 26 -6 -10 13	24 31 31 9 9 26	28 32 38 12 5 19	28 32 19 8 3 0	38 48 42 13 24 27	40 39 35 42 24 35 19 27	25.5 7.0																						
MC CLUSKY	MAX MIN	7 8 4 -18 -9 -11	8 12 12 -22 -10 -7	23 22 22 -3 5 12	21 15 16 11 -5 -8	-8 -6 10 15 26 25	15 26 25 18 10 24	18 10 24 0 21 -3	15 27 28 15 27 28	24 32 25 30 24 32 25 30	8.0																							
MC HENRY 5 N	MAX MIN	4 7 3 -19 -15 -15	4 14 16 -25 -17 -10	14 17 24 -9 10 13	20 18 14 9 -4 -11	20 19 26 -13 -8 13	34 31 34 12 19 24	28 35 40 7 1 17	22 35 17 -7 14 -9	37 47 44 13 18 25	37 38 32 40 21 31 20 25	24.9 4.2																						
MC LEOO 3 E	MAX MIN	10 11 10 -14 -10 -10	8 16 13 -21 -14 -6	14 19 25 -10 10 16	23 20 15 11 -3 -10	19 16 26 -12 -15 9	30 38 39 4 2 20	35 32 43 8 1 13	22 36 28 0 15 0	39 48 43 12 19 28	46 41 35 45 25 35 22 25	27.3 4.6																						
MC VILLE	MAX MIN	6 10 3 -17 -15 -12	5 15 16 -25 -16 -8	16 18 24 -12 11 14	23 16 16 4 -4 -11	21 20 27 -12 -8 13	32 32 32 11 16 25	28 30 36 5 -3 12	23 36 17 -5 12 -7	39 48 45 11 18 25	38 38 31 39 20 31 18 25	25.2 3.7																						
MEORA 3 NNE	MAX MIN	6 10 6 -19 -16 -30	11 16 17 -33 -17 5	30 29 30 -3 8 10	30 17 19 6 -6 -12	18 26 42 -17 7 4	34 40 46 12 15 33	47 54 20 22	47 49 42 28 30 22	55 77 68 14 28 31	68 51 67 65 31 37 37 37	37.2 8.6																						
MINOT FAA AIRPORT	MAX MIN	10 10 2 -14 -7 -12	8 15 15 -15 -4 1	23 21 24 6 5 13	18 16 18 6 -1 -7	18 20 32 -5 -4 14	31 34 35 12 12 25	32 37 42 20 25 13	31 39 20 4 11 3	42 62 44 18 28 25	35 37 46 39 25 27 25 29	27.6 9.0																						
MINOT EXP STATION	MAX MIN	7 9 10 -16 -13 -13	0 5 13 -17 -14 -4	13 24 22 3 3 13	25 20 15 13 0 -8	18 19 21 -11 -8 6	30 33 36 12 13 16	35 30 37 20 22 24	41 32 37 4 7 3	28 41 59 7 27 29	39 37 38 45 26 26 26 27	26.4 7.2																						
MOFFIT 4 SE	MAX MIN	8 6 3 -15 -7 -16	6 13 11 -22 -11 -6	20 21 23 -11 13 8	23 20 15 3 -7 -14	15 19 25 -14 -9 15	32 30 35 12 19 25	34 36 42 16 15 30	34 41 38 2 21 2	42 63 57 14 28 31	38 38 46 44 27 32 22 27	28.3 7.4																						
MOHALL	MAX MIN	8 9 3 -18 -11 -17	10 17 14 -21 -5 -2	22 20 25 7 3 15	24 18 17 11 0 -9	20 23 34 -11 -6 7	33 34 35 8 10 27	32 35 38 19 28 25	26 35 22 4 19 2	38 59 54 20 28 29	34 34 45 45 25 28 26 31	27.8 8.8																						

See reference notes following Station Index.

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DAILY TEMPERATURES

NORTH DAKOTA
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Station	Day Of Month																																	Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MOTT	MAX 8	9	2	9	14	16	32	21	21	21	20	16	14	19	12	14	35	40	35	43	53	34	46	34	51	75	66	54	49	59	46	32.5		
	MIN -10	-5	-18	-27	-4	0	9	10	7	10	-9	-12	-18	1	11	5	16	29	20	29	27	15	30	12	17	29	30	29	34	26	31	10.5		
MUNICH 4 SW	MAX 4	7	0	0	7	14	12	16	22	20	13	16	16	17	25	27	29	29	29	24	35	19	31	17	34	38	37	33	33	27	35	21.5		
	MIN -24	-16	-16	-27	-17	-12	-11	9	11	12	-10	-15	-13	-8	9	9	16	14	3	11	10	-11	9	-16	9	19	23	12	27	17	17	1.2		
NAPOLEON	MAX 4	7	0	6	13	12	18	21	24	20	15	12	19	21	27	31	30	34	30	32	40	25	37	34	39	49	45	41	38	42	44	26.1		
	MIN -20	-8	-16	-25	-12	-8	-7	13	8	9	-8	-11	-13	-7	15	13	19	24	9	-2	18	-1	18	-3	12	29	30	25	25	25	28	5.8		
NEW ENGLAND	MAX 6	6	0	10	12	17	30	26	30	21	19	15	15	20	34	32	36	40	38	49	51	42	46	38	51	75	69	61	51	63	51	34.0		
	MIN -13	-6	-19	-23	-6	3	9	9	5	5	-8	-9	-15	0	-2	8	15	30	20	29	27	17	30	13	19	30	36	30	33	29	37	10.7		
NEW SALEM 1 SE	MAX 3	10	1	6	13	9	-1	20	20	19	16	12	10	16	28	33	32	35	31	36	45	30	43	29	45	72	56	39	38	50	43	28.0		
	MIN -15	-8	-15	-20	-6	-3	-1	3	10	2	-6	-5	-6	-9	12	10	16	24	25	22	21	5	24	7	13	30	28	26	28	23	28	8.5		
NEWTOWN	MAX 3	11	5	5	12	12	22	21	20	17	13	14	18	20	30	30	33	37	35	42	44	33	40	33	42	66	65	37	37	51	50	29.0		
	MIN -15	-6	-18	-21	-4	-4	3	6	6	-2	-8	-9	-5	-2	5	11	15	31	21	26	29	8	27	6	20	31	31	28	30	25	33	9.7		
OAKES	MAX 12	9	12	11	14	15	17	20	27	23	21	19	17	25	29	32	33	37	31	32	45	27	39	35	43	41	37	43	41	37	47	28.2		
	MIN -10	-5	-10	-19	-17	-8	-10	12	12	5	0	-12	-15	-16	10	0	10	16	11	6	11	2	17	3	12	22	32	24	34	25	27	5.5		
PARK RIVER	MAX 10	10	8	7	14	16	15	18	24	24	23	22	24	18	25	31	34	32	30	25	38	20	33	18	37	43	35	36	34	42	25.5			
	MIN -12	-12	-10	-15	-10	-6	-8	8	16	10	0	-4	-5	-7	15	9	13	25	8	4	15	-2	13	-6	10	19	24	17	33	15	25	5.9		
PARSHALL	MAX 5	11	4	5	12	12	22	21	21	20	17	14	15	20	32	30	32	36	34	36	43	31	39	34	42	65	48	37	36	51	49	28.2		
	MIN -18	-11	-20	-25	-4	-9	-5	10	12	8	-2	-11	-15	-2	10	8	13	29	16	22	27	4	25	2	19	30	30	28	31	25	34	8.4		
PEMBINA	MAX 15	9	10	8	13	18	20	22	25	27	28	16	26	26	26	33	37	34	29	33	38	20	26	18	34	43	41	35	35	30	39	26.3		
	MIN -12	-13	-6	-20	-19	-11	-10	1	14	13	-2	-6	-6	-6	11	13	11	26	9	3	11	-2	8	-6	9	9	20	13	25	10	24	3.6		
PETERSBURG	MAX 5	8	4	5	13	15	14	18	22	22	20	13	18	18	25	30	31	33	26	28	35	20	32	15	36	41	40	35	36	31	39	23.5		
	MIN -18	-11	-10	-22	-12	-6	-8	10	11	8	-4	-13	-12	-7	14	8	15	24	3	0	12	-8	3	-10	10	17	24	10	30	15	24	3.1		
PETITBONE	MAX 6	5	5	7	10	10	16	17	22	20	15	12	13	17	25	28	30	34	29	29	40	23	36	32	38	45	45	35	35	37	39	24.4		
	MIN -18	-9	-15	-25	-12	-7	-5	10	12	10	-7	-12	-9	-6	15	12	20	26	8	4	23	-3	18	-7	12	24	28	23	32	24	28	6.3		
PORTAL	MAX 3	1	-1	-5	8	10	16	15	21	19	18	10	12	21	22	39	28	34	33	30	38	36	27	33	27	36	50	38	33			23.2		
	MIN -20	-19	-23	-24	-20	-5	-1	1	5	1	-4	-15	-12	-11	7	14	7	17	15	22	24	3	8	-1	7	24	28	26	27	26		3.6		
POWERS LAKE 1 N	MAX 8	10	-6	4	14	12	17	20	20	19	12	13	17	17	32	25	34	37	27	36	38	27	34					34	35	48	37	23.0		
	MIN -21	-20	-24	-28	-10	-2	0	-1	13	0	-9	-10	-13	-1	32	25	34	37	13	22	38	5	11				30	27	28	23	28	4.4		
RAUB 10 SSW	MAX 2	5	2	11	12	16	21	22	20	21	19				30	34	36	34	39	42	28		34					44	68	64	37	54	30.0	
	MIN -10	-14	-15	-16	-11	-14	5	4	4	-2	-4	-9	-9			9	12	31	17	20	24	19					18	31	29	27	25	35	9.5	
RICHARDTON ABBEY	MAX 5	8	4	8	11	13	26	21	20	20	18	14	14	19	33	32	33	38	36	43	53	34	45	35	47	72	67	54	49	57	54	31.7		
	MIN -13	-6	-17	-19	-2	1	3	9	6	10	-1	-3	-14	-2	9	11	16	32	21	27	33	11	28	7	18	33	33	28	32	27	36	11.4		
RIVEROALE	MAX 7	5	7	0	4	11	10	25	20	22	20	13	11	12	20	28	32	35	34	29	38	41	33	39	26	39	67	38	37	46		25.3		
	MIN -12	-12	-13	-21	-17	-6	4	4	10	10	0	-6	-12	-10	6	7	10	19	16	18	25	4	6	4	5	25	30	27	28	25	28	6.5		
ROLLA	MAX 7	8	3	3	12	14	14	16	23	21	25	20	22	18	26	33	29	33	27	32	40	20	33	15	40	44	39	33	33	28	35	24.1		
	MIN -13	-13	-13	-18	-12	-9	-6	1	13	13	-5	-8	-10	-5	14	10	19	22	10	0	3	-5	6	-7	14	16	20	16	25	14	26	3.8		
RUGBY	MAX 4	7	4	5	12	16	20	20	24	23	19	15	18	20	29	30	30	35	33	31	40	26	36	20	38	46	45	34	35	34	36	25.3		
	MIN -21	-14	-12	-21	-11	-6	-3	0	14	14	-3	-10	-15	-4	15	8	12	26	6	-1	22	-6	15	-8	12	18	26	22	32	22	30	5.1		
SAN HAVEN	MAX 8	0	2	-2	8	7	12	15	20	19	23	16	18	15	24	31	29	34	30	28	38	21	34	19	39	43	45	31	34	29	37	22.8		
	MIN -14	-15	-11	-17	-14	-9	0	7	13	12	-6	-4	-4	1	14	13	18	24	11	2	19	-4	12	-10	9	18	23	16	29	17	27	5.7		
SHARON	MAX 5	10	2	3	10	19	13	18	23	21	20	10	20	18	24	29	30	32	28	28	36	20	34	16	37	45	42	38	38	32	39	23.9		
	MIN -16	-10	-12	-22	-14	-9	-9	10	13	12	-2	-10	-8	-4	12	7	16	25	7	4	16	-1	15	-5	12	20	24	20	31	19	24	5.3		
STANLEY	MAX 7	9	0	5	13	15	20	21	20	20	13	14	16	20	32	28	33	35	30	36	43	28	37	22	40	58	50	35	34	48	42	26.6		
	MIN -16	-10	-19	-20	-5	-3	6	-1	13	5	-3	-6	-13	-1	13	7	14	28	17	23	22	5	22	2	20	30	30	27	28	27	31	8.8		
STEELE	MAX 7	7	5	8	15	14	20	22	25	19	17	13	15	21	28	32	33	37	33	33	44	25	38	28	40	51	50	36	39	43	43	27.1		
	MIN -16	-9	-10	-20	-10	-7	-6	14	9	0	-4	-7	-7	-10	16	13	20	25	12	5	24	0	20	0	14	29	30	25	33	27	30	7.7		
TIOGA 1 E	MAX 4	3	9	-5	3	13	11	18	21	20	17	12	12	14	20	30	27	35	34	30	36	41	34	35	24	40	57	40	35	35	49	24.3		
	MIN -20	-19	-26	-27	-26	-6	5	-2	11	-1	-8	-10	-12	-11	6	7	7	15	15	20	24	6	7	2	4	18	28	27	27	24	28	3.6		
TOWNER	MAX 7	9	8	-2	3	14	24	24	21	22	18	15	18	22	32	34	33	35	33	35	40	26	37	22	41	57	53	35	37	37	35	26.6		
	MIN -20	-17	-14	-24	-11	-2	-1	-1	12	14	-5	-13	-2	1	14	6	11	24	15	5	23	-2	15	-7	8	23	28	22	26	27	23	5.7		
TROTTERS 3 S	MAX 0	3	-4	9	13	15	24	27	31	29	14	11	20	25	47	30	37																	

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DAILY TEMPERATURES

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	8	8	3	6	12	12	22	20	22	19	18	11	14	18	28	32	30	34	32	35	42	27	38	32	40	58	48	35	36	42	42	26.6
	MIN	-18	-8	-12	-18	-6	-4	-4	12	8	10	-2	-8	-8	-5	15	10	18	26	18	20	26	0	22	-2	15	28	28	25	30	22	31	8.7
WISHEK	MAX	14	7	7	-2	9	11	10	17	18	25	22	15	11	17	19	28	28	34	35	29	31	40	30	39	21	41	54	37	38	41	24.2	
	MIN	-17	-13	-23	-24	-18	-14	-11	8	9	9	-10	-12	-11	-10	0	15	17	20	6	-8	0	-2	2	-3	3	20	24	28	25	27	1.2	

SNOWFALL AND SNOW ON GROUND

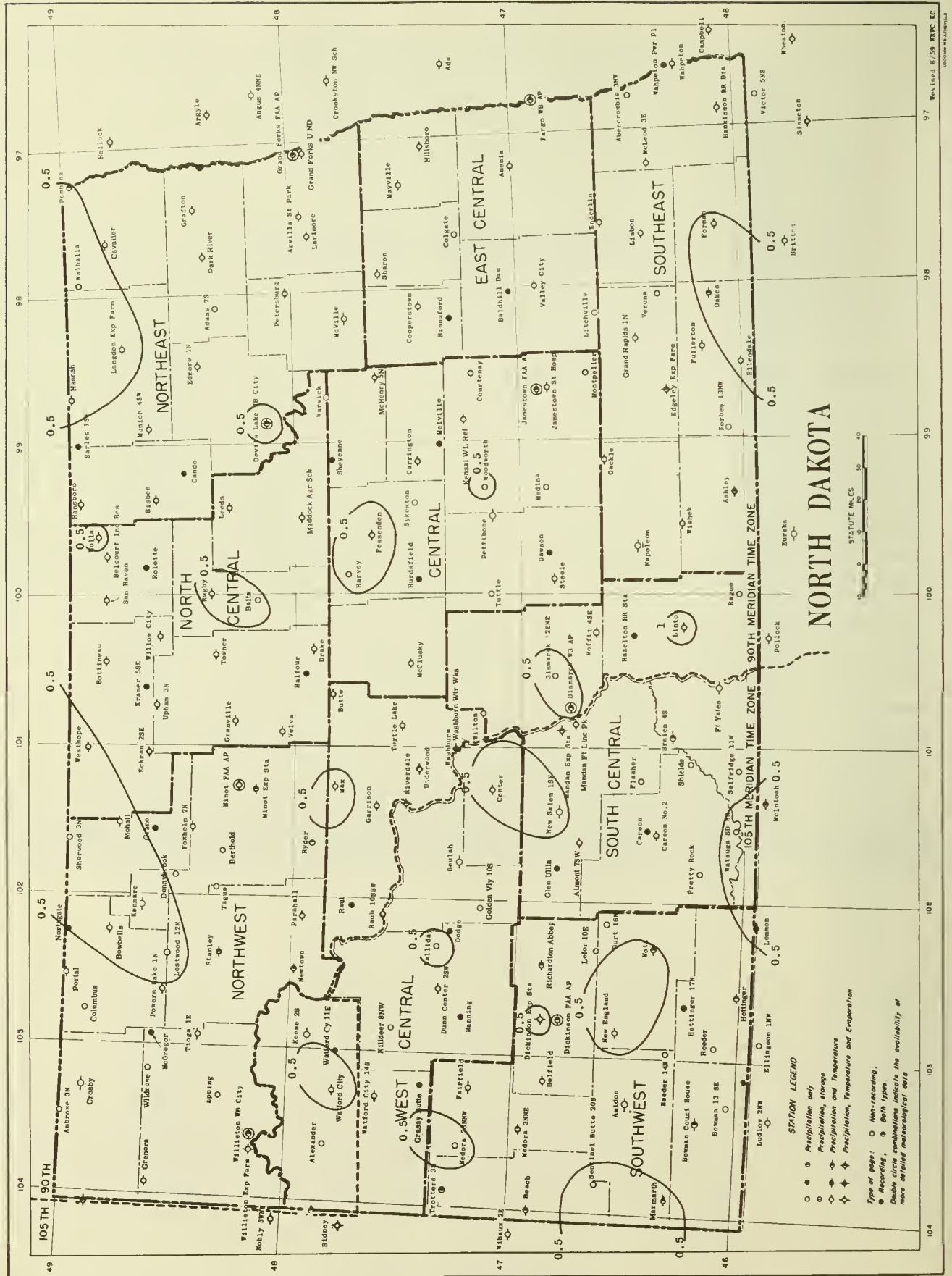
Station		Day of month																																						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
ALMONT 7 SW	SNOWFALL SN ON GND	2	.2	T	2	2	T	.5	.3	.6	T	2.0	6	6	6	6	1.5	.5	T	7	6	3	T	3	2															
AMENIA	SNOWFALL SN ON GND	3	3	3	3	3	T	1.0	3	4	3	2.0	1.0	5	5	5	5	5	T	5	4	3	3	3	2	2	2	2	2	1		T	T							
AMIDON	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
ASHLEY	SNOWFALL SN ON GND	6	T	T	6	6	6	T	6	1.0	2.0	8	2.0	10	10	10	10	1.0	T	10	9	9	9	.5	.5	10	7	7	5	T	5	4	3	2						
BEACH	SNOWFALL SN ON GND	3	T	T	3	3	T	.5	T	.5	T	.5	3	3	3	2	2	T	T	2	T	T	T	T	T					T										
BELCOURT INDIAN RES	SNOWFALL SN ON GND	8	8	.2	8	8	8	8	1.5	1.0	1.2	1.0	12	12	12	12	T	.7	12	12	12	12	.3	11	10	10	10	10	T	10	T	9	7	6	T	5	4	4	1.0	
BEULAH	SNOWFALL SN ON GND	-	-	-	-	T	1.5	-	T	T	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	T	.3	T	T	T	1.1	2.3	T	3	3	3	5	5	5	5	T	2.7	.6	T	6	4	T	.4	T	2	1	T	T	T	.3	T	T							
BOTTINEAU	SNOWFALL SN ON GND	T	4	.2	4	4	4	4	4	.6	.1	T	3.0	.2	7	7	7	7	8	8	8	8	8	.5	.4	5	4	4	4	4	4	T	4	3	2	T	2	2	T	
BOWBELLS	SNOWFALL SN ON GND	1.0	6	T	T	6	6	6	T	6	6	.5	1.5	7	T	7	7	7	7	T	7	6	6	6	.5	6	5	4	4	4	4	T	4	3	2	1	1	1	T	
BUTTE	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CARSON	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CAVALIER	SNOWFALL SN ON GND	T	9	T	9	9	9	9	.1	.5	.2	.5	.2	T	10	10	10	T	.8	T	9	T	8	.2	-	7	6	-	.5	T	6	T	5	2	1	1	1	1	T	T
CENTER	SNOWFALL SN ON GND	4	T	T	4	4	4	4	1.0	5	T	.5	3.0	8	8	8	8	1.0	9	8	7	4	T	4	4	2	2	1	1	T	1	1	T	T						
CROSBY	SNOWFALL SN ON GND	6	T	6	6	6	6	6	6	6	.6	T	6	6	6	6	6	T	6	6	T	5	4	4	4	4	4	4	4	3	3	2	1	T	T	T	T			
DEVILS LAKE WB CITY	SNOWFALL SN ON GND	T	7	.3	T	7	T	.1	1.7	.4	.7	1.3	10	11	T	T	9	.5	1.3	T	9	T	.8	T	9	9	8	8	6	T	6	T	5	5	4	1	1	1	1	
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND	T	.1	T	T	1.5	T	.1	1.0	.6	2.0	3	5	5	5	5	T	.3	5	5	T	5	2	T	1	T	T	T	T	T	T	T								
DUNN CENTER 2 SW	SNOWFALL SN ON GND	T	T	T	3	3	T	1.5	T	5	5	6	6	6	6	6	T	T	6	6	T	5	T	5	4	T	3	2	T	T	T	T	T		T					
EDMORE 1 N	SNOWFALL SN ON GND	-	8	8	8	8	8	8	8	9	9	11	11	11	11	11	12	12	11	11	11	10	10	10	10	10	10	10	10	10	10	10	9	9	8	7	7	5		
FAIRFIELD	SNOWFALL SN ON GND	T	8	8	8	8	8	8	8	9	9	1.0	10	10	10	10	T	10	10	T	10	9	7	6	5	4	4	3	3	2										
FARGO WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	T	T	T	2	2	T	.4	.3	.4	.6	.1	3	3	3	3	T	3	3	3	3	2	T	2	2	2	2	1	1	1	1	.6	1	1	T	T				
FESSENDEN	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	T	T	T	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
FORMAN	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
FORT YATES	SNOWFALL SN ON GND	-	.4	T	.2	-	-	.5	1.5	-	1.8	-	-	-	-	-	.7	-	T	-	-	-	-	-	-	-	-	-	-	-	.3	-	-	-	-	-	-			
FULLERTON	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
GRAPTON	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	6	T	T	6	6	6	T	T	T	T	.7	T	6	6	6	6	6	T	6	6	6	6	5	5	5	4	3	T	3	3	1.0	4	4	1	1	1	1		
GRAND RAPIDS 1 N	SNOWFALL SN ON GND	6	6	T	6	6	6	1.5	8	T	T	8	1.5	9	9	9	9	9	.5	10	9	9	T	7	6	5	3	2	2	1										

See reference notes following Station Index.

PRIOR TO MARCH 12, 1960 SOME OBSERVERS AT STATION 5 LABELED "WB" ADJUSTED THE OBSERVED WATER EQUIVALENT VALUE TO BE CONSISTENT WITH THAT REPORTED FOR THE PREVIOUS OBSERVATION AND INTERVENING SNOWFALL. ON MARCH 12 A GENERAL INSTRUCTION WAS ISSUED REQUESTING THAT EACH WATER EQUIVALENT OBSERVATION BE RECORDED AS MEASURED.

TOTAL PRECIPITATION

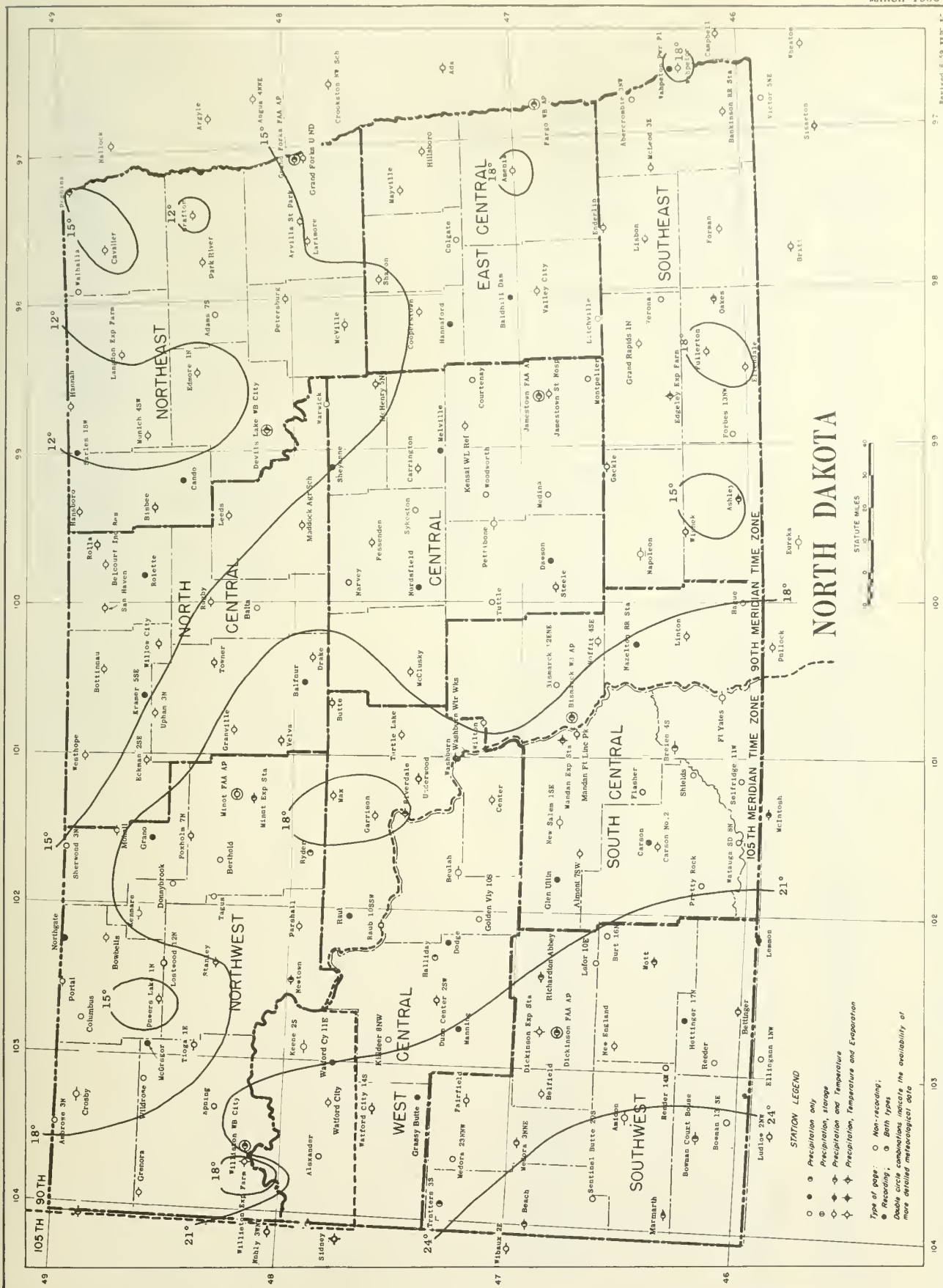
MARCH 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

MARCH 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

NORTE DAKOTA
MARCH 1960

1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMBINA 10. RED 11. RHEYENNE 12. SOUTHERN 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station Bismarck North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Weighing Rain Gage Recording Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- J "Supplemental Data" Table.
- B "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

+ No record in the "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

* And also on an earlier date or dates.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

B Adjusted to a full month.

O Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

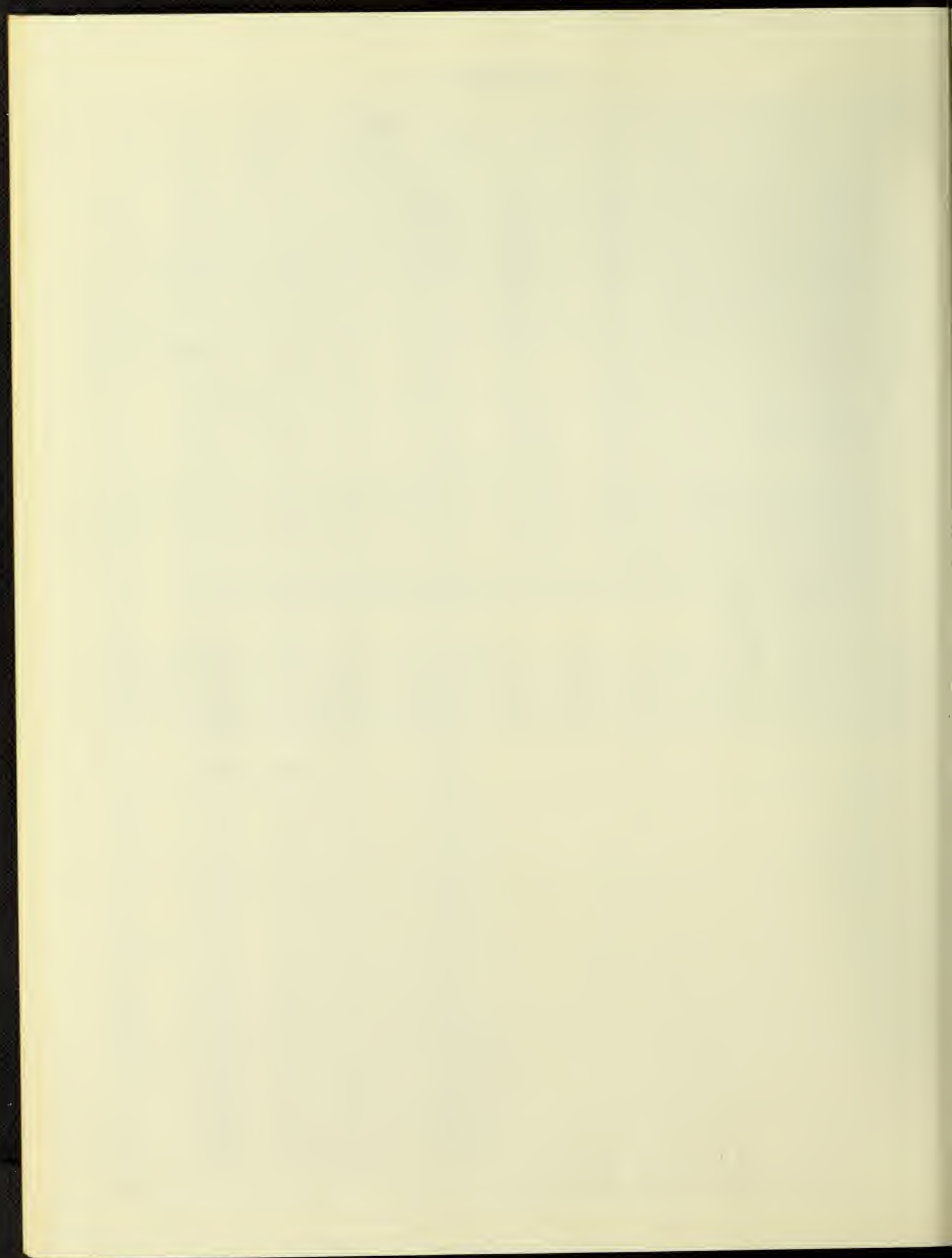
V Includes total for previous month.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest issues of Local Climatological Data Annual, obtained as indicated above, price 15 cents.

USCOMM-WB-ASHEVILLE---5-9-60---825



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UNNT

U. S. DEPARTMENT OF COMMERCE
FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

APRIL 1960
Volume 69 No. 4



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ASHEVILLE: 1960

SUPPLEMENTAL DATA

NORTH DAKOTA
APRIL 1960

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover at sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
BISMARCK WB AIRPORT	WNW	17	16.7	53	W	13	68	76	45	39	8	4	1	0	0	0	13	83	6.5
DEVILS LAKE WB CITY	NW	-	12.1	42	W	13	-	83	60	59	7	7	4	0	0	0	18	62	8.3
FARGO WB AIRPORT	N	18	18.2	47	NW	7	78	83	60	58	7	4	3	2	1	0	17	51	7.2
WILLISTON WB CITY	NW	-	9.5	41	NW	13	-	76	49	44	3	3	3	0	0	0	9	51	6.8

CLIMATOLOGICAL DATA

Station	Temperature														Precipitation												
	Average Maximum	Average Minimum	Average	Departure from Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure from Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days						
										Max.	Min.	30° or Above	32° or Below					Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More				
NORTHWEST DIVISION																											
BOWBELLS	AM	48.0	28.8	38.4		66 19	20 9	792	0	1	23	0	1.25														
CROSBY		52.9	29.6	41.3	1.6	66 14	21 26+	704	0	0	20	0	.58														
FOXHOLM 7 N		53.0	30.5	41.8	0.8	69 19+	22 9	693	0	0	19	0	.84														
GRENORA		52.9	28.7	40.8		69 14	19 8	718	0	0	20	0	1.07														
KENMARE	AM	48.5	29.1	38.8		65 19+	19 9	778	0	1	20	0	.95														
LOSTWOOD 12 N																											
MINOT FAA AIRPORT		50.2	30.5	40.4		68 14	17 9	732	0	0	19	0	1.23														
MINOT EXP STATION	AM //	49.9	29.4	39.7		69 19+	16 9	755	0	1	19	0	1.16														
MOHALL		51.6	29.9	40.8	0.4	66 20+	18 9	721	0	0	21	0	1.51														
NEWTOWN		54.1	29.3	41.7	0.4	71 15+	20 9	693	0	0	20	0	.63														
PARSHALL		54.1	27.3M	40.7M		72 15+	18 9	737	0	0	25	0	.50														
PORTAL	AM	48.0M	28.7M	38.4M	- 1.1	64 19+		794	0	1	24	0	1.03														
POWERS LAKE 1 N		49.7M	28.1M	38.9M		68 20	17 27	778	0	1	21	0	.84														
STANLEY		50.7	29.7	40.2		67 14	20 26+	739	0	0	20	0	1.22														
TIOGA 1 E	AM	49.8	27.7	38.8		66 19+	18 26	782	0	1	23	0	.96														
WILLISTON WB CITY	R //	52.6	32.5	42.6	- 0.3	72 14	19 26	667	0	0	15	0	1.11														
WILLISTON EXP FARM		52.7	30.3	41.5		69 14	17 26	699	0	1	18	0	1.01														
DIVISION																											
NORTH CENTRAL DIVISION																											
BELCOURT INDIAN RES		47.3	26.5	36.9		61 21+	2 9	839	0	1	22	0	.89														
BOTTINEAU	AM	47.9	27.7	37.8	- 1.6	66 20+	14 9	811	0	1	21	0	1.03														
DRAKE	AM	51.2M	29.6M	40.4M	- 0.2	69 19	17 9	790	0	1	19	0	.41														
ECKMAN 2 SE	AM	49.5	27.8	38.7	- 1.3	68 19	17 9	784	0	0	25	0	1.02														
GRANVILLE		52.7	30.0	41.4	- 0.2	70 18+	16 9	703	0	0	22	0	.75														
LEEDS		50.5	29.7	40.1		66 21	13 9	740	0	0	22	0	.91														
MADDOCK AGRIC SCHOOL		51.8	30.2	41.0	0.0	67 21	15 9	711	0	0	19	0	.75														
ROLLA		46.7	28.4	37.6		63 20	11 9	814	0	2	22	0	1.12														
RUGBY		51.9	30.1	41.0		65 20+	15 9	712	0	0	19	0	.83														
SAN HAVEN		48.3	28.2	38.3	- 1.1	63 20	10 9	795	0	0	21	0	1.03														
TOWNER		53.5	28.9	41.2	- 0.3	68 18	15 9	707	0	0	23	0	1.07														
UPHAM 3 N		52.9	29.1	41.0		70 18	16 9	712	0	0	22	0	.51														
VELVA		54.4	30.1	42.3	- 0.3	71 18	16 9	674	0	0	20	0	.77														
WESTHOPE		49.5	28.8	39.2	- 1.0	69 18	16 9	769	0	0	22	0	.99														
WILLOW CITY		50.9	26.6M	38.8M	- 0.9	64 21+	15 9	781	0	0	27	0	.70														
DIVISION																											
NORTHEAST DIVISION																											
ARVILLA STATE PARK		51.7M	28.9M	40.3M		72 21	15 30	714	0	0	22	0	1.25														
BISBEE		48.1	28.3	38.2		64 21+	12 9	796	0	1	22	0	.85														
CAVALIER		49.1	29.4M	39.3M		67 21	11 9	764	0	2	20	0	2.03														
DEVILS LAKE WB CITY	R	47.5	29.8	38.7	- 1.3	66 21	12 9	780	0	2	19	0	1.00														
EDMORE 1 N		47.6	28.3M	38.0M		65 21	8 9	807	0	3	21	0	.50														
GRAFTON		47.3	26.5	36.9	- 4.7	65 21	8 9	837	0	3	23	0	1.82														
GRAND FORKS FAA AIRPORT	R	49.0	32.2	40.6		69 21	16 9	723	0	2	18	0	2.05														
GRAND FORKS UNIVERSITY		50.3	32.2	41.3	0.0	71 21	14 9	706	0	2	16	0	1.58														
HANNAH		45.9	27.1	36.5		63 21+	7 9	849	0	3	22	0	.83														
HANSBORO		49.9M	29.4M	39.7M	1.1	63 21	12 9	755	0	0	21	0	.90														
LANGDON EXP FARM		47.3	25.8	36.6	- 2.1	65 20	- 1 9	846	0	2	25	1	1.35														
LARIMORE		51.1	30.8	41.0	0.2	72 21	12 9	715	0	1	18	0	1.74														
MC VILLE		49.8	29.7M	39.8M		68 21	12 9	769	0	1	19	0	.83														
MUNICH 4 SW		46.8	27.6	37.2		63 21+	6 9	826	0	2	23	0	.88														
PARK RIVER		49.6	30.4	40.0	- 0.1	68 21	12 9	741	0	1	17	0	2.15														
PEMBINA		50.5	28.4M	39.5M		70 21	10 9	761	0	1	23	0	2.14														
PETERSBURG		47.3	29.0	38.2		66 21	10 9	800	0	3	21	0	.96														
DIVISION																											
WEST CENTRAL DIVISION																											
BEULAH		56.7	30.7	43.7		78 14	18 9	631	0	0	19	0	.76														
BUTTE	AM	50.7	29.0	39.9		70 19+	16 9	746	0	1	20	0	.75														
CENTER		54.8	29.4	42.1		77 14	14 9	683	0	0	21	0	.41														
DUNN CENTER 2 SW	AM	52.0	30.6	41.3	0.5	74 15	18 9	707	0	0	20	0	.32														
GARRISON	AM	50.7	30.8	40.8	- 0.8	69 15	18 9	723	0	0	17	0	.45														
KEENE 2 S		53.6	28.6	41.1		73 14	19 9+	709	0	0	21</																

CLIMATOLOGICAL DATA

NORTH DAKOTA
APRIL 1960

CONTINUED

Station	Temperature												Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No of Days			Total	Departure From Long Term Means	Greatest Day	Days	Snow, Sleet			No of Days						
										Max		Min					Total	Max Depth on Ground	Days	10 or More	50 or More	100 or More				
										60° or Above	32° or Below															
TURTLE LAKE	54.6	30.6	42.6		75	14	16	9	667	0	0	19	0	+.57		.38	25			2	0	0				
UNDERWOOD 4 ESE	53.9	30.6	42.3		76	14	16	9	677	0	0	20	0	+.54		.45	25			1	0	0				
WASHBURN	55.9M	30.7M	43.3M	- 0.3	77	14	17	9	644	0	0	20	0	1.09		.82	25			2	1	0				
WATFORD CITY	54.0	30.7	42.4	- 0.6	73	14	18	26	670	0	0	17	0	+.85	- .23	.55	25	4.0		2	1	0				
WATFORD CITY 14 S	58.2	28.8	43.5		75	15+	20	16+	638	0	0	22	0	+.61	+.48	.20	25	1.0		2	0	0				
WILTON	54.3	30.6	42.5		76	14	16	9	670	0	0	19	0	+.72		.46	25	4.0		2	0	0				
DIVISION			41.8	0.0										+.61	- .69		4.3									
CENTRAL DIVISION																										
CARRINGTON	AM	49.4	28.7	39.1	- 1.0	68	22	11	9	769	0	1	21	0	1.38	- .02	.52	2	4.5	3	2	5	1	0		
FESSENDEN		53.5	30.6	42.1	0.9	69	21	15	9	679	0	0	18	0	1.17	- .17	.38	13	2.3	T	26+	6	0	0		
JAMESTOWN FAA AIRPORT	R//	51.2	30.2	40.7		72	21	14	9	723	0	0	21	0	1.34		.56	1	8.2	5	2	4	1	0		
HILLSDOWN STATE HOSP		52.1	31.8	42.0	- 0.3	71	21	15	9	685	0	0	18	0	1.94	+.30	1.16	1	8.2			4	1	1		
KENSAL WILDLIFE REFUGE		53.6M	29.8M	41.7M		73	21	12	9	692	0	0	18	0	.51		.14	25	4.0	3	2	2	0	0		
MC CLUSKY		53.9	30.0	42.0	0.2	70	14	15	9	684	0	0	19	0	+.81	- .68	.51	25	6.2	4	25	1	1	0		
MC HENRY 5 N		50.9	27.6	39.3		71	21	11	9	767	0	1	23	0	+.77		.23	2	4.4	5	2	3	0	0		
PETTIBONE		52.9	30.2	41.6	0.4	69	21	14	9	697	0	0	18	0	+.81	- .58	.25	25	8.0			4	0	0		
STEELE		55.5	31.0	43.3	1.5	73	15+	16	9	643	0	0	18	0	1.23	- .09	.64	25	15.5	4	25+	4	1	0		
DIVISION			41.3	0.0										1.11	- .29		6.8									
EAST CENTRAL DIVISION																										
AMENIA		54.1M	31.9M	43.0M		73	21			660	0	0	18	0	2.24		.62	25	8.0	8	2	5	1	0		
COOPERSTOWN		51.2	30.5	40.9		69	21	13	9	719	0	1	19	0	1.09	- .08	.50	2	5.5	4	2	5	1	0		
FARGO WB AIRPORT	R//	51.1	31.2	41.2	- 0.9	76	21	14	9	708	0	2	18	0	3.62	1.74	1.61	23	7.9	6	2	6	3	1		
HILLSBORO		51.1	30.5	40.8	- 1.4	73	21	14	9	716	0	0	19	0	1.99	+.29	.87	25	7.5	4	2+	4	2	0		
NAVYVILLE		51.4	31.5	41.5	- 0.9	72	21	15	9	709	0	1	19	0	1.02	- .25	.36	25	5.0	4	2	3	0	0		
SHARON		49.1	29.7	39.4	- 1.1	67	21	11	9	761	0	2	20	0	1.38	- .06	.50	2	9.0	7	2	4	1	0		
VALLEY CITY		50.6M	29.2M	39.9M	- 3.5	69	21	10	9	759	0	0	21	0	1.05	- .37	.40	1	6.1	6	2	4	0	0		
DIVISION			41.0	- 0.9										1.77	+.35		7.0									
SOUTHWEST DIVISION																										
AMIDON	AM	54.4	30.5	42.5		74	15	19	9+	669	0	0	19	0	+.50		.40	25				2	0	0		
BEACH	AM	54.3	29.5	41.9		74	15	17	8	685	0	0	19	0	+.30		.16	25	1.0	T	26+	1	0	0		
BELFIELD		54.6M	29.3M	42.0M		75	14	19	8	685	0	0	20	0	+.32		.15	24				2	0	0		
BOWMAN COURT HOUSE		56.9	31.2	44.1	1.4	75	14+	20	9+	619	0	0	17	0	+.36		.30	24				1	0	0		
DICKINSON FAA AIRPORT	R//	54.1	30.4	42.3		74	14	19	29+	673	0	0	19	0	+.35		.24	24	+.7	T	26+	1	0	0		
DICKINSON EXP STATION	AM	54.6M	28.9	41.8M	0.5	74	15	18	9	691	0	0	21	0	+.35	- 1.01	.25	25		T	26+	1	0	0		
FAIRFIELD		53.2	29.4	41.3		72	14	17	9	701	0	0	23	0	+.13		.07	25		T	26+	0	0	0		
HETTINGER		57.2	31.2	44.2	0.7	77	14	17	9	617	0	0	18	0	+.37	- .88	.27	24				1	0	0		
MARMARTH	AM	56.5	31.1	43.8	- 0.6	77	6	17	30	628	0	0	19	0	+.40	- .72	.25	25				2	0	0		
MEDORA 3 NNE		58.4M	28.4M	43.4M		77	14+	12	30+	642	0	0	19	0	+.17		.12	24				1	0	0		
MOTT		56.5	29.0	42.8	- 0.7	78	14	13	9	661	0	0	21	0	+.33	- .74	.26	24				1	0	0		
NEW ENGLAND		55.8	29.1	42.5	- 0.5	76	14	15	9	667	0	0	21	0	+.33	- 1.18	.21	24				1	0	0		
RICHARDSON ABBEY		56.2	30.9	43.6	0.9	75	14	17	9	635	0	0	19	0	+.48	- .98	.42	25	3.2	3	25	1	0	0		
TROTTERS 3 S		54.4	31.0	42.7		73	14	20	8	660	0	0	17	0	+.23		.11	25	+.1	T	25	1	0	0		
DIVISION			42.8	0.0										+.33	- 1.00		1.0									
SOUTH CENTRAL DIVISION																										
ALMONT 7 SW		55.3	30.5M	42.9M		77	14	16	9	674	0	0	19	0	+.66		.64	25	7.5	6	25	1	1	0		
BISMARCK WB AIRPORT	R//	57.2	33.2	45.2	2.1	82	14	18	9	587	0	0	16	0	+.41	- .98	.34	25	2.2	2	26+	1	0	0		
BREIEN		60.1M	30.1M	45.1M		81	14	13	9	579	0	0	21	0	+.71		.70	25				1	1	0		
CARSON	AM	56.0	30.1	43.1	- 0.3	79	15	16	9	648	0	0	20	0	+.71	- .70	.55	25				2	1	0		
FORT YATES	AM	57.7M	31.1M	44.4M	- 0.5	82	15	17	9	607	0	0	19	0	+.84	- .53	.40	25				3	0	0		
LINTON		59.3	30.1	44.7	0.4	82	14	12	9	602	0	0	20	0	1.35	- .01	.67	25	4.0	3	1	2	2	0		
MANDAN EXP STATION	AM	54.6	31.2	42.9	0.0	79	15	15	9	653	0	1	18	0	+.52	- .90	.21	25	4.0	3	26	3	0	0		
MANDAN FT LINCOLN PARK		58.9M	30.9M	44.9M		82	14			610	0	0	20	0	+.61		.55	25	4.0	2	25	1	1	0		
MOFFIT 4 SE		56.4	29.0	42.7		80	14	12	9	663	0	0	22	0	+.53		.30	25	5.1	3	1	2	0	0		
NEW SALEM 1 SE		55.7	29.5	42.6	0.0	77	14	13	9	662	0	0	18	0	+.51	- .78	.50	25	5.0	5	25	1	1	0		
DIVISION			43.9	0.4										+.69	- .63		4.0									
SOUTHEAST DIVISION																										
ASHLEY		53.6	30.0	41.8	- 0.2	74	14	15	9	687	0	0	20	0	+.40	- .86	.19	25	4.0	4	1	2	0	0		
EDGELEY EXP FARM	AM	52.9	29.7	41.3	- 1.4	74	22	15	10+	706	0	1	17	0	1.24	- .29	.62	2	6.0	6	3+	5	1	0		
ELLEDALE		55.5	32.2	43.9	0.4	77	21	16	9	629	0	0	15	0	1.70	- .24	.89	1	9.5	10	2	4	1	0		
ENDERLIN	AM	51.1	29.4	40.3		73	22	16	10+	735	0	3	19	0	2.98		1.00	2	12.0			5	3	1		
FORMAN		53.9	32.3	43.1		75	21	17	9	651	0	1	17	0	2.81	+.90	.98	13				5	3	0		
FULLERTON		55.2	31.1	43.2	- 0.5	77	20	15	9	649	0	0	18	0	1.54	- .61	.44	1	6.0			5	0	0		
GACKLE		53.4	30.8	42.1		70	21	14	9	679	0	0	19	0	+.64		.36	1	5.5	6	2	2	0	0		
GRAND RAPIDS 1 N		55.6	31.0M	43.3M		75	21	15	9	645	0	0			2.24		1.07	1	7.0	7	2	5	1	1		
HANKINSON R R STATION	AM	51.1	31.7	41.4	- 1.6	76	22	18	9	700	0	2	18	0	4.19	2.30	1.60	24	8.0			5	3	2		
LISBON		55.2	31.6	43.4	1.0	74	21	16	9	640	0	1	17	0	3.33		1.41									
MC LEOD 3 E		54.8	29.8	42.3	- 1.1	75	21	13	9	672	0	0	19	0	2.80	1.13	.65	25								

NORTH DAKOTA
APRIL 1980

See reference notes following Station Index.

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DAILY PRECIPITATION

NORTH DAKOTA
APRIL 1960

Station	Total	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PETTERONE	.81	.11	.07	.11										.22											.25								
PORTAL	1.03													.34	T					.03			.07			.10	.10	T					
POWERS LAKE 1 N	.84										.02	.04	T	.13								.27				.30	.02		.06	T			
PRETTY ROCK	.38																								.26	.02							
RAUB 10 SSW	.18																		T					.08		.18							
REEDER	.52																																
REDFORD 14 N	.41																					.08			.30	.14							
RICHARDSON ABBEY	.48																		T			.03				.42	T						
RIVERDALE	.60	.08		T										.02	T	T						T			T	.33	.17						
ROLLA	1.12			.02			T					.23		.53					.02							.22	.07		T	.03			
RUGBY	.83													.03		.40																	
RYDER	.61													.03	T							.03		.04		.21	.08			.04			
SAN HAVEN	1.03													.30		.50										.42	T						
SELFRIEDGE 5 W	.45																									.08	.09			.06			
SENTINEL BUTTE 20 S	.44																								.38	.06							
SHARON	1.38	.36	.50											.15								.02				.30	.05						
SHERWOOD 3 N	.95													.16												.18	.06		.07	.02			
SHIELDS	.61			.03										.26												.58							
STANLEY	1.22													.13												.47	.04			.01			
STEELE	1.23	.36	.10	.02										.11												.64	T						
SYKESTON	1.00	.02	.30	T										.43												.19	.06						
TAGUS	1.29													.09		.10										.75	T			.03			
TIOGA 1 E	.96				.02									.10		.03								.32		.42	.16	.21			.02		
TONNER	1.07	.18												.06												.48	.06						
TROTTERS 3 S	.23													.05	.01										.06	.11				T			
TURTLE LAKE	.57	T		.03										.02		.10										.38	.03						
TUTTLE	.77	.02	.06	T										.02		.30										.22	.02			.02			
UNDERWOOD 4 ESE	.54													.07												.45	.02						
UPHAM 3 N	.51													.16		.20										.07	.08						
VALLEY CITY	1.05	.40	.16	.01																					.12	.30	.05						
VELVA	.77													.02		.03										.37	.03			.02			
VERONA	1.19		.42																						.40	.37							
WAHPETON	4.63	.46	.22		.08									.02		1.26										.84	.09						
WALHALLA	1.69	.27												.10		.44										.10	.58						
WARWICK	.63	.18	.02											.08		.25											.10						
WASHBURN	1.09			.01										T	.17	.03											.82	T					
WATAUGA 5 OAKOTA 8 N	.54													T												.54							
WATFORD CITY	.85													.05													.55	.12					
WATFORD CITY 14 S	.41													T													.20	.03		.05			
WESTHOPE	.99													.26	.03	T	.26									.10	.22	.12		T	.18		
WILDROSE	1.44		.01											.59		.04											.39	.13					
WILLISTON WB CITY	1.11			T										.23		T										.43		.05					
WILLISTON EXP FARM	1.01	.01												.10	.08											.38	T			.01	T		
WILLOW CITY	.70													.15													.35	.09					
WILTON	.72															.31											.06	.06		T	.02		
WISHEK	0 .90	.30	.20											.08																			
WOODWORTH	1.50	.57	.35											.30													.25	.03					

MONTHLY EXTREMES

Highest Temperature: 82° on the 15+ at Four Stations
 Lowest Temperature: -1° on the 9th at Langdon Exp Farm
 Greatest Total Precipitation: 4.63 inches at Wahpeton
 Least Total Precipitation: 0.13 inch at Fairfield
 Greatest one-day Precipitation: 1.61 inches on the 23d at Fargo WB AP
 Greatest Total Snowfall: 16.0 inches at Cavalier
 Deepest Snow on Ground: 11 inches on the 2d at Oakes

DAILY TEMPERATURES

NORTH DAKOTA
APRIL 1960

Station		Day Of Month																																Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	MAX MIN	33 28	45 26	53 31	47 29	74 29	53 34	52 28	43 20	48 16	69 31	64 31	67 31	63 47	77 35	63 36	54 28	58 28	70 35	72 28	65 28	65 30	58 41	47 36	53 28	43 27	35 22	42 27	50 29	41 26	56 26	55.3 30.5		
AMENIA	MAX MIN	44 30	34 29	41 23	42 28	40 25	50 34	49 21	42 21	55 21	60 37	62 32	64 45	63 37	62 45	61 33	58 27	57 33	67 34	68 47	73 46	63 37	56 40	58 35	54 32	41 28	48 29	52 29	50 28	54 22	54.1 31.9			
AMIOON	MAX MIN	47 23	48 26	51 30	54 27	52 34	73 35	53 27	51 19	48 19	55 32	65 35	61 40	67 36	62 38	74 30	57 26	49 30	55 36	68 37	70 32	63 41	62 40	51 30	40 26	38 30	41 25	37 24	44 27	52 28	44 22	54.4 30.5		
ARVILLA STATE PARK	MAX MIN	38 25	35 22	42 21	41 29	44 34	46 34	40 25	35 17	39 19	54 22	59 30	55 30	62 42	67 31	64 41	61 36	25 25	27 27	65 42	64 34	72 34	69 35	49 35	54 31	49 30	37 26	50 23	49 29	47 23	52 15	51.7 28.9		
ASHLEY	MAX MIN	37 28	38 25	48 21	40 23	47 23	51 32	48 26	38 23	37 15	62 26	61 36	64 37	66 40	74 32	63 30	51 20	56 33	68 34	68 37	70 44	67 34	64 43	50 37	52 32	49 32	39 26	49 23	51 24	45 17	56 17	53.6 30.0		
BEACH	MAX MIN	48 28	50 27	54 29	52 27	53 34	73 33	53 27	52 17	47 22	58 26	65 36	62 36	67 40	58 30	74 32	57 20	50 33	53 34	67 32	69 34	63 37	61 43	49 38	42 34	35 29	42 25	37 25	41 23	51 19	45 22	54.3 29.5		
BELCOURT INDIAN RES	MAX MIN	32 25	36 22	45 21	40 30	45 16	48 34	26 26	14 14	2 2	42 25	32 38	34 31	33 33	28 33	34 32	32 20	20 30	33 33	41 41	37 37	34 34	30 30	25 25	26 24	22 22	23 23	43 23	50 23	48 19	21 22	54.6 29.3		
BELFIELD	MAX MIN	46 24	53 26	55 33	56 26	74 31	55 34	51 25	46 19	55 20	66 31	64 35	59 31	75 42	57 41	57 27	53 25	66 33	68 44	70 33	61 34	63 35	53 43	42 34	41 27	35 30	36 26	45 23	50 20	40 28	22 22	56.7 30.7		
BEULAH	MAX MIN	39 27	46 27	57 25	48 32	72 28	55 35	51 25	45 22	50 18	67 26	63 36	64 42	64 41	78 27	69 32	56 25	59 24	72 35	70 33	67 37	66 43	62 36	47 37	51 27	48 32	35 26	42 23	53 20	50 25	56 25	48.1 28.3		
BISBEE	MAX MIN	34 27	35 24	42 23	38 32	47 25	46 34	29 29	18 18	12 12	27 27	34 34	30 30	35 35	30 30	31 31	25 25	31 31	34 34	40 34	35 35	34 34	31 31	28 28	27 25	25 25	25 25	43 23	52 27	40 18	57 22	57.2 33.2		
BISMARCK WB AIRPORT	MAX MIN	38 23	50 24	58 23	47 31	71 23	55 31	52 25	43 19	46 18	68 26	65 33	64 36	68 37	82 27	64 35	54 28	60 35	74 44	72 36	69 42	71 45	61 43	52 40	57 32	45 31	37 25	43 23	31 21	26 22	25 22	47.9 27.7		
BOTTINEAU	MAX MIN	36 23	36 24	41 23	46 31	40 23	56 31	47 25	40 19	32 18	36 26	52 33	56 34	48 37	55 27	63 35	54 28	47 33	50 40	66 36	66 43	62 37	63 43	48 38	43 34	39 31	33 25	36 23	46 23	52 21	38 22	48.0 28.8		
BOWBELLS	MAX MIN	37 25	33 25	43 31	49 30	46 32	61 33	30 22	22 20	20 20	27 27	34 34	31 31	28 28	31 31	34 34	29 29	27 27	33 33	32 32	34 34	38 38	33 33	32 32	27 27	21 21	23 23	27 27	24 24	25 25	56.9 31.2			
BOWMAN COURT HOUSE	MAX MIN	49 24	52 25	54 38	53 27	75 32	69 34	53 26	20 20	55 33	69 33	62 35	68 43	63 36	75 43	64 32	52 36	53 40	63 34	70 41	63 34	62 43	60 39	50 43	45 39	44 31	35 26	44 24	32 29	29 21	59 21	60.1 30.1		
BREIEN	MAX MIN	40 28	50 24	60 23	49 33	77 21	63 38	55 25	45 19	47 13	75 28	67 41	27 27	68 42	81 27	79 35	60 21	58 21	75 31	75 41	68 39	69 41	67 31	53 40	58 43	46 32	55 28	40 22	46 28	50 29	59 29	50.7 29.0		
BUTTE	MAX MIN	37 26	34 25	43 27	31 31	44 28	60 33	29 29	21 21	16 16	18 32	33 33	38 31	37 37	38 31	37 37	28 28	24 24	37 37	35 35	39 39	41 41	67 39	46 33	46 30	50 29	32 20	34 21	40 28	52 19	37 23	49.4 28.7		
CARRINGTON	MAX MIN	41 29	33 21	38 27	50 27	38 28	49 34	49 30	43 21	11 11	39 16	56 37	57 32	55 38	61 40	65 41	60 29	50 31	52 40	64 33	61 40	65 41	67 44	59 38	49 34	53 30	35 22	35 22	45 27	51 22	44 19	56.0 30.1		
CARSON	MAX MIN	46 29	34 21	47 27	58 27	49 28	74 30	55 30	54 20	45 16	47 23	73 38	64 41	67 40	65 32	79 41	61 29	52 31	56 37	73 40	68 43	68 44	59 38	49 34	53 30	35 22	35 22	45 29	51 26	44 19	49.1 29.4			
CAVALIER	MAX MIN	38 29	33 28	43 24	41 31	41 21	45 35	42 28	31 16	11 11	50 26	57 31	51 38	57 35	64 39	57 45	55 35	58 26	58 29	64 35	64 43	67 38	65 34	54 32	52 30	47 29	38 23	47 22	48 22	47 21	54.8 29.4			
CENTER	MAX MIN	36 28	44 26	53 27	45 31	68 30	54 34	48 27	40 23	46 18	66 27	61 23	63 34	63 49	77 35	64 37	52 49	58 30	70 35	68 42	66 35	66 37	58 34	48 35	52 30	30 30	22 22	30 30	25 25	20 20	51.2 30.5			
COOPERSTOWN	MAX MIN	39 30	32 29	43 20	41 31	43 23	48 35	45 29	40 20	33 13	52 27	58 38	56 32	62 42	64 35	60 42	58 34	49 26	59 41	63 39	65 43	69 46	65 39	53 36	49 31	50 30	36 22	48 22	53 25	52 20	52.9 29.6			
CROSBY	MAX MIN	45 26	48 25	53 34	49 29	63 33	55 32	44 30	38 21	49 23	49 34	61 35	60 33	57 32	66 29	63 34	57 27	57 27	65 36	63 31	62 35	61 35	59 33	51 32	48 32	39 27	35 21	39 26	50 25	45 22	56 25	47.5 29.8		
DEVILS LAKE WB CITY	MAX MIN	34 27	34 25	45 26	36 27	45 25	46 33	40 28	28 17	12 12	52 27	56 37	57 34	59 39	64 33	56 39	46 25	50 31	61 38	62 40	63 43	66 41	47 37	55 41	50 33	26 26	34 24	30 30	28 21	25 25	54.1 30.4			
DICKINSON FAA AIRPORT	MAX MIN	44 27	52 26	53 33	53 30	73 30	53 32	51 26	47 19	52 19	66 33	62 38	64 39	58 36	74 40	57 32	52 25	55 32	67 40	71 40	61 43	62 41	50 37	40 34	46 28	34 24	35 26	44 26	50 29	42 19	56 24	54.6 28.9		
DICKINSON EXP STATION	MAX MIN	50 24	44 25	52 28	52 28	52 30	73 34	53 25	52 20	46 18	53 25	67 37	63 37	69 35	60 28	74 37	53 20	57 31	57 34	68 42	70 35	63 39	51 35	43 27	45 30	34 26	35 26	35 27	47 28	52 21	41 21	51.2 29.6		
DRAKE	MAX MIN	37 28	35 26	43 27	55 30	48 28	58 32	51 27	47 22	36 17	47 27	59 34	61 35	53 39	60 43	68 35	58 30	50 25	56 36	65 41	67 37	66 41	66 37	58 34	48 30	40 22	45 30	36 22	44 28	21 25	52.0 30.6			
DUNN CENTER 2 SW	MAX MIN	45 25	40 24	48 27	52 29	48 28	67 33	50 27	42 22	41 18	53 27	63 36	58 34	67 41	58 35	74 42	50 32	51 27	56 33	65 35	69 43	63 37	60 38	48 35	40 30	45 32	36 25	35 23	45 27	51 27	39 29	49.5 27.8		
ECKMAN 2 SE	MAX MIN	36 24	35 25	42 26	52 30	45 28	60 30	50 26	46 22	37 17	41 18	54 30	59 29	46 34	57 31	67 36	55 27	50 29	54 36	68 31	63 36	64 38	62 31	46 24	43 27	50 30	33 24	35 26	44 27	52 29	39 24	52.9 29.7		
EOGELEY EXP FARM	MAX MIN	47 30	32 27	34 22	47 27	47 23	47 25	52 27	48 24	37 15	37 15	59 34	62 35	67 41	68 41	70 42	63 32	53 27	52 29	63 33	52 27	66 40	40 38	38 30	40 33	33 27	26 26	24 24	28 24	19 19	47.6 28.3			
EMORE 1 N	MAX MIN	35 28	32 25	38 18	35 30	40 18	42 35	39 29	32 16	30 8	46 27	53 31	51 31	55 36	60 44	57 35	53 32	47 27	57 39	61 43	62 46	65 48	63 46	50 31	48 29	35 25	47 25	54 28	48 29	20 20	55.5 32.2			
ELLENOALE	MAX MIN	41 30	35 28	46 23	42 30	46 22	52 36	51 30	45 25	36 16	58 27	64 40	67 35	68 44	71 35	65 44	60 34	55 27	66 40	72 46	68 44	77 43	71 43	56 36	50 35	50 35	41 26	50 26	51 28	56 29	51.1 29.4			
ENOERLIN	MAX MIN	46 30	32 29	35 22	41 27	41 23	44 25	51 27	47 23	32 16	29 16	54 18	60 35	67 38	66 35	68 38	34 27	27 29	30 30	40 40	35 35	39 39	40 40	35 35	33 33	28 28	29 29	28 28	29 29	20 20	53.2 29.4			
FAIRFIELD	MAX MIN	47 27	54																															

Continued

DAILY TEMPERATURES

NORTH DAKOTA
APRIL 1960

Station	Day Of Month																													Average		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GACKLE	MAX MIN	39 28	35 26	48 28	45 23	47 26	49 34	45 28	43 23	36 14	56 28	59 38	64 37	64 38	69 39	68 38	54 31	54 23	65 32	67 37	66 43	70 47	65 43	51 38	57 29	51 30	36 26	45 28	53 26	47 23	53 20	53.4 30.8
GARRISON	MAX MIN	37 27	34 26	48 28	51 30	47 28	64 33	47 29	44 24	38 18	54 24	56 26	59 37	59 39	69 36	55 30	54 28	56 34	67 37	64 38	63 43	60 38	45 35	47 35	40 37	37 25	40 20	41 30	52 24	37 28	50.7 30.8	
GRAFTON	MAX MIN	37 25	30 26	36 17	34 27	39 19	42 31	41 25	29 13	25 8	47 21	54 34	53 28	55 36	59 33	57 40	54 36	52 23	54 26	62 30	62 42	65 33	62 32	45 29	52 27	50 26	36 25	44 20	54 26	44 18	45 20	47.3 26.5
GRAND FORKS FAA AIRPORT	MAX MIN	36 32	35 32	39 25	38 31	43 28	47 35	40 27	27 19	30 16	50 29	58 39	58 32	62 45	63 39	62 42	46 31	44 28	59 32	66 35	67 46	69 38	53 38	53 39	56 35	40 33	38 29	45 27	55 32	39 27	52 26	49.0 32.2
GRAND FORKS UNIVERSITY	MAX MIN	39 30	34 31	42 23	36 33	43 25	47 36	41 30	32 19	30 14	51 27	59 41	58 32	62 44	62 44	62 46	55 34	44 28	53 31	62 35	65 46	71 40	60 38	53 38	55 34	50 38	39 28	45 27	56 30	49 27	53 23	50.3 32.2
GRAND RAPIDS 1 N	MAX MIN	45 30	35 28	48 20	48 27	45 29	52 31	48 27	44 24	38 15	55 26	61 38	69 31	68 44	70 34	68 48	61 32	52 44	64 32	71 46	70 37	75 40	69 40	53 38	54 36	48 34	43 29	49 30	58 25	52 29	56 16	55.6 31.0
GRANVILLE	MAX MIN	36 26	44 26	55 28	47 32	61 27	53 35	42 30	39 23	44 16	56 30	59 33	54 31	59 40	70 32	61 40	53 29	57 24	70 32	66 32	65 39	64 41	58 37	46 35	50 30	43 23	37 30	42 23	53 28	42 21	54 27	52.7 30.0
GRENOIRA	MAX MIN	53 27	54 28	56 35	53 27	65 34	50 29	46 24	43 19	55 22	46 34	64 31	55 34	57 33	69 30	56 32	50 25	58 29	65 35	64 32	61 34	49 34	40 34	41 27	39 26	37 20	45 21	56 23	49 23	59 25	52.9 28.7	
HANKINSON R R STATION	MAX MIN	41 26	32 28	34 24	45 24	38 23	45 29	51 24	47 27	30 21	39 26	59 40	66 46	61 40	66 39	66 36	63 32	52 29	59 37	69 45	68 41	68 44	76 47	68 40	48 38	54 30	41 28	43 28	48 30	52 23	43 22	51.1 31.7
HANNAH	MAX MIN	33 25	35 21	36 20	35 16	40 16	41 32	36 25	31 12	32 7	47 25	54 34	49 28	55 33	59 35	53 37	49 32	48 24	59 35	63 35	62 40	63 38	57 33	44 29	47 25	42 25	34 25	48 21	47 29	32 18	45 22	45.9 27.1
HANSBORO	MAX MIN	34 26	40 27	45 21	41 23	46 26	46 34	40 30	33 16	33 12	55 38	54 31	57 34	57 35	57 32	57 32	60 31	62 32	63 38	62 40	58 40	59 40	45 33	41 32	41 32	50 28	41 23	59 22	50 30	36 21	47 27	49.9 29.4
HETTINGER	MAX MIN	45 25	53 24	56 27	55 23	74 26	56 34	49 28	52 27	52 18	73 24	63 31	68 46	63 37	77 46	68 32	49 32	54 29	70 37	65 43	67 34	67 43	61 40	45 36	41 30	43 27	39 27	47 23	49 34	45 27	58 23	57.2 31.2
HILLSBORO	MAX MIN	34 29	38 22	35 20	34 27	41 28	49 35	44 29	36 20	34 14	50 26	58 35	56 31	61 43	62 35	62 37	56 30	54 27	57 32	67 35	67 47	73 42	64 37	52 39	57 38	48 32	39 26	49 26	54 29	52 28	52 21	51.1 30.5
JAMESTOWN FAA AIRPORT	MAX MIN	33 30	33 27	45 23	40 29	45 25	50 32	47 29	35 20	36 14	54 26	59 35	60 31	63 43	68 35	62 37	53 30	64 27	65 32	67 35	72 47	58 38	51 31	57 38	42 27	38 26	42 30	50 29	41 23	54 20	51.2 30.2	
JAMESTOWN STATE HOSP	MAX MIN	38 30	34 28	47 24	42 31	45 25	51 35	47 32	38 24	35 15	53 26	60 34	63 34	65 43	67 36	64 42	55 37	51 27	63 32	65 36	66 47	71 41	62 39	49 38	54 31	49 27	37 31	42 21	49 29	48 26	52 21	52.1 31.8
KEENE 2 S	MAX MIN	43 27	54 24	49 27	51 32	67 35	50 28	47 32	44 25	52 19	60 23	61 31	58 33	67 32	73 33	65 38	54 32	58 24	67 31	68 32	63 37	61 34	51 33	41 33	44 26	35 26	34 18	41 24	49 26	44 23	56 26	53.6 28.6
KENMARE	MAX MIN	39 24	35 24	43 28	51 30	46 31	60 33	46 28	43 21	38 19	43 20	55 35	58 30	45 33	65 33	65 35	54 30	51 26	57 37	65 32	64 35	62 40	60 35	42 33	41 27	45 28	32 22	35 25	39 28	50 25	37 25	48.5 29.1
KENSAL WILDLIFE REFUGE	MAX MIN	43 30	35 26	49 23	42 32	45 21	52 35	47 29	40 22	38 12	53 25	60 36	57 33	65 39	64 33	65 48	55 36	57 32	61 25	62 35	68 43	73 37	67 30	55 30	50 22	37 22	48 29	56 25	53 24	56 17	53.6 29.8	
LANGOON EXP FARM	MAX MIN	38 27	37 25	37 16	42 25	36 13	41 29	39 21	32 12	25 -1	40 22	51 34	50 27	52 32	57 35	55 38	51 32	48 24	56 31	62 32	65 43	64 37	60 31	51 29	46 26	39 26	46 29	53 26	44 18	51 13	47.3 25.8	
LARIMORE	MAX MIN	40 30	34 29	42 21	39 31	42 28	48 35	40 29	35 18	32 12	52 26	59 40	56 32	63 42	64 35	61 44	55 34	47 26	58 30	64 37	65 45	72 37	65 38	52 36	54 35	46 30	39 25	48 24	55 29	53 23	52 22	51.1 30.8
LEEOS	MAX MIN	34 29	38 26	47 28	42 32	47 25	47 35	42 30	34 20	35 13	53 28	57 35	55 31	58 38	64 31	60 37	52 32	53 26	62 33	63 40	64 42	66 36	60 32	46 30	50 29	46 25	35 29	48 25	55 21	52 16	50.5 29.7	
LINTON	MAX MIN	40 30	48 28	57 25	47 29	62 32	59 35	57 26	42 22	44 12	70 29	65 38	69 32	82 36	70 32	54 33	60 19	73 38	74 36	70 41	72 39	68 46	57 40	60 32	56 29	49 26	54 23	50 28	59 16	59.3 30.1		
LISBON	MAX MIN	45 30	35 30	42 23	40 32	44 21	51 35	45 30	32 24	36 16	55 26	61 34	69 38	65 45	69 35	68 45	62 31	51 28	64 32	70 34	69 46	74 37	72 38	61 37	53 35	53 30	43 29	45 30	55 26	55 19	56 19	55.2 31.6
LOSTWOOD 12 N	MAX MIN	36 21	47 26	60 28	54 29	44 28	18 29	58 19	57 33	59 17	25 25	35 35	30 30	57 37	67 29	63 29	63 27	62 27	62 31	66 31	66 40	67 47	64 31	47 30	53 24	47 20	53 24	49 28	53 21	46 24	53 24	51.8 30.2
MADDOCK AGRI SCHOOL	MAX MIN	34 30	40 26	49 28	48 32	50 27	49 35	46 32	39 22	37 15	52 25	58 36	61 32	60 39	65 34	55 35	55 32	64 23	63 35	66 42	67 40	67 37	64 33	47 30	51 24	47 30	34 24	49 28	53 21	46 24	53 24	51.8 30.2
MANOAN EXP STATION	MAX MIN	45 30	35 28	46 28	55 32	46 26	72 37	53 29	50 22	40 15	45 25	67 40	63 36	64 43	65 34	79 48	61 32	51 23	58 34	72 35	72 39	67 46	68 42	58 38	51 31	54 31	32 24	35 26	42 29	52 27	40 17	54.6 31.2
MANOAN FT LINCOLN PARK	MAX MIN	39 29	57 25	48 27	48 34	74 26	54 28	45 20	48 26	54 26	62 28	68 30	65 34	67 38	72 40	74 40	59 31	60 23	72 35	73 32	70 36	70 45	65 41	54 38	55 29	48 30	38 23	45 27	54 29	49 26	53 30	58.9 30.9
MARMARTH	MAX MIN	52 29	50 22	55 30	54 29	56 35	77 38	56 32	54 25	52 19	59 25	68 32	63 35	73 45	62 39	76 48	58 30	50 24	55 31	68 39	70 41	66 41	63 39	54 37	42 30	36 27	45 27	40 22	44 31	51 29	45 17	56.5 31.1
MAX	MAX MIN	37 25	32 24	42 27	51 30	44 28	61 32	48 29	45 21	37 16	43 29	57 32	59 33	57 37	73 32	73 32	57 26	50 32	57 35	68 32	62 37	64 38	64 36	45 33	42 28	47 20	32 23	37 23	41 28	50 22	37 25	49.8 28.2
MAYVILLE	MAX MIN	42 28	36 30	40 24	36 31	42 24	48 31	43 30	37 20	31 15	55 26	58 38	57 33	66 46	68 36	61 45	60 33	48 27	59 31	65 34	72 45	67 40	51 37	50 40	42 31	50 30	47 29	47 30	50 27	52 21	51.4 31.5	
MC CLUSKY	MAX MIN	35 28	42 25	52 27	48 31	60 26	56 34	46 28	40 22	41 15	60 28	60 32	59 36	62 41	70 33	68 40	55 30	57 23	69 36	66 35	66 38	66 42	62 38	48 34	50 29	48 29	34 20	42 28	53 23	49 22	53 26	53.9 30.0
MC HENRY 5 N	MAX MIN	37 29	33 25	46 20	39 30	43 21	48 33	45 27	35 20	32 11	52 24	58 35	54 30	62 36	63 31	61 38	56 31	51 22	60 29	62 34	68 42	71 36	58 32	48 26	55 28	47 29	36 20	50 28	55 23	48 22	55 15	50.9 27.6
MC LEOO 3 E	MAX MIN	42 29	38 28	40 21	41 31	42 20	52 30	4																								

DAILY TEMPERATURES

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Continued

Station		Day Of Month																																Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MOTT	MAX MIN	40 25	51 25	56 31	50 26	75 26	57 36	52 22	47 16	50 13	73 29	64 38	66 39	63 40	78 26	61 31	54 23	56 24	71 31	76 36	66 35	66 37	57 41	45 35	44 30	40 30	37 26	49 24	51 29	42 28	58 18	56.5 29.0		
MUNICH 4 SW	MAX MIN	34 27	35 23	38 20	35 29	41 20	41 32	36 25	32 16	31 6	49 28	55 35	50 31	54 29	59 32	54 34	51 33	48 26	56 31	61 33	63 42	63 33	59 33	45 31	46 29	43 26	35 26	46 24	53 27	41 18	50 24	46.8 27.6		
NAPOLEON	MAX MIN	38 28	40 26	50 23	40 25	54 25	53 35	47 28	39 16	40 6	62 29	59 37	65 34	63 41	75 33	71 38	51 32	55 22	67 33	68 34	67 41	68 43	60 42	49 37	59 30	46 31	37 26	45 28	53 25	46 26	56 18	54.1 30.3		
NEW ENGLAND	MAX MIN	44 23	52 25	55 34	52 27	74 26	55 33	52 26	48 19	53 15	69 28	72 36	65 40	62 33	76 28	58 31	50 23	54 29	69 30	72 37	64 31	63 43	52 40	44 33	44 28	39 30	37 26	45 24	53 27	44 28	57 21	55.8 29.1		
NEW SALEM 1 SE	MAX MIN	42 26	45 26	55 30	47 30	73 27	53 33	51 27	41 20	46 13	69 27	64 37	66 37	65 30	77 34	64 33	51 28	59 24	71 33	72 36	66 36	67 42	56 39	48 35	52 27	26 22	22 22	28 24	43 25	50 25	55 25	54.1 29.3		
NEWTOWN	MAX MIN	41 26	44 24	55 31	50 30	63 28	57 33	47 28	42 21	56 20	57 30	61 33	60 36	57 30	71 33	71 36	55 25	59 25	68 33	66 31	66 36	61 42	59 37	42 34	46 27	43 30	35 21	25 25	50 29	43 23	55 25	54.1 29.3		
OAKES	MAX MIN	41 29	33 28	41 23	40 30	44 21	52 35	49 30	46 23	34 15	51 24	61 39	69 29	67 45	70 36	67 40	61 25	51 25	64 30	73 33	69 46	77 40	67 45	57 35	51 34	52 34	43 28	49 28	55 28	53 28	56 21	54.8 31.4		
PARK RIVER	MAX MIN	39 30	33 27	40 22	37 33	41 23	44 33	43 33	35 18	31 12	50 27	56 38	55 32	58 35	63 36	60 43	35 35	35 30	39 39	42 42	41 41	35 35	33 30	32 29	29 24	44 35	32 29	24 24	31 20	22 22	30.4 30.4			
PARSHALL	MAX MIN	39 25	45 24	54 30	49 28	63 30	56 32	49 26	42 30	48 32	60 30	61 32	60 33	58 34	72 26	72 34	54 24	58 21	68 32	66 29	62 44	62 46	29 29	34 34	26 26	44 35	38 19	27 27	51 26	49 25	55 24	54.1 27.3		
PEMBINA	MAX MIN	37 29	35 30	37 19	38 29	42 22	43 33	40 27	30 15	33 10	50 24	58 28	56 28	57 36	66 32	61 43	56 33	47 25	60 32	69 32	69 42	70 37	64 32	50 32	57 32	50 30	40 29	48 29	54 31	48 23	51 23	50.5 28.4		
PETERSBURG	MAX MIN	36 29	32 27	40 20	36 30	39 21	44 29	38 28	32 16	31 12	58 22	55 38	54 32	58 39	61 33	56 40	51 33	45 26	55 31	60 33	66 46	58 34	44 37	50 32	46 29	30 24	48 26	28 21	21 21	47.3 29.0				
PETITONE	MAX MIN	38 30	39 25	49 25	41 22	47 23	49 34	46 28	41 22	44 14	55 35	57 36	58 35	61 42	67 31	67 34	57 29	52 26	64 33	65 41	69 41	65 40	55 35	53 30	51 30	34 22	43 28	53 28	50 23	53 21	52.9 30.2			
PORTAL	MAX MIN	36 25	35 24	42 28	48 28	46 32	61 31	45 29	40 21	36 20	58 31	44 32	64 30	31 32	54 35	64 35	29 29	49 26	58 28	64 32	63 33	62 40	60 33	46 33	29 27	45 23	30 23	34 26	39 26	48 25	28 28	48.0 28.7		
POWERS LAKE 1 N	MAX MIN	37 25	42 22	50 20	45 28	61 30	45 30	43 27	36 20	45 23	51 31	60 30	58 33	55 36	65 26	64 34	50 24	58 23	65 38	62 28	64 38	40 38	42 33	41 33	33 26	18 17	17 17	24 24	25 25	49.7 28.1				
RAUB 10 SSW	MAX MIN	40 24	45 32	50 29	46 34	70 38	60 29	45 22	38 22	45 22	62 22	60 40	74 32	62 31	59 29	57 35	69 35	64 35	64 38	59 38	29 29	34 29	48 28	34 26	35 26	25 25	26 26	50 25	55 25	54.3 30.6				
RICHAROTON ABBEY	MAX MIN	39 25	48 24	54 33	48 31	74 28	59 34	50 29	44 22	50 17	69 29	63 38	65 42	61 40	75 32	71 32	54 29	58 30	69 34	70 40	65 37	63 41	60 39	47 34	48 27	47 29	35 24	45 27	51 29	48 26	57 24	56.2 30.9		
RIVEROALE	MAX MIN	39 27	34 26	42 27	49 30	45 28	69 33	47 29	45 24	38 16	45 22	59 35	59 37	61 39	59 30	70 38	30 30	24 32	34 34	37 42	42 39	35 35	28 28	24 24	25 25	30 30	41 30	50 24	38 27	50.7 30.0				
ROLLA	MAX MIN	30 25	35 22	42 25	37 31	45 24	46 33	38 28	29 16	33 11	51 27	55 39	51 31	54 34	58 33	53 34	51 32	50 25	60 32	60 38	63 41	62 39	54 35	44 26	45 25	39 25	36 22	45 22	53 26	36 26	47 26	46.7 28.4		
RUGBY	MAX MIN	35 30	40 26	50 28	46 32	54 28	55 35	45 28	38 20	36 15	54 22	57 36	56 34	58 37	65 32	62 36	56 32	50 27	64 35	64 33	65 38	64 37	62 37	47 34	49 30	47 29	35 29	28 28	54 28	53 20	51 26	51.9 30.1		
SAN HAVEN	MAX MIN	33 24	40 23	46 25	43 31	49 21	49 34	43 26	16 10	34 10	41 24	33 38	53 33	55 35	60 30	57 32	49 34	48 26	62 32	61 36	63 40	57 38	42 35	46 32	40 27	35 25	22 22	27 24	20 20	24 24	48.3 28.2			
SHARON	MAX MIN	37 29	32 27	39 20	38 30	40 23	46 34	41 29	34 18	11 11	50 28	56 39	54 32	60 38	62 41	58 48	54 32	47 25	55 30	63 37	64 44	67 37	62 37	47 35	50 29	49 22	35 28	47 28	53 23	50 19	49.1 29.7			
STANLEY	MAX MIN	37 24	42 24	52 32	47 32	61 31	52 34	44 30	38 22	46 17	59 31	59 34	51 34	56 38	67 31	60 36	51 28	52 25	66 33	62 31	62 38	60 33	55 26	39 26	40 26	35 26	40 28	49 25	41 25	53 27	50.7 29.7			
STEELE	MAX MIN	40 30	42 26	52 27	47 32	55 26	55 28	47 30	43 23	48 16	62 25	61 37	65 33	60 43	73 34	73 37	59 33	55 24	69 36	68 35	67 41	68 45	67 40	47 37	57 30	53 31	35 22	43 30	50 32	50 26	55 22	55.5 31.0		
TIOGA 1 E	MAX MIN	41 25	42 23	45 25	57 30	48 28	62 34	46 27	44 20	19 19	47 24	52 32	60 34	49 35	55 28	66 34	56 24	52 22	57 35	66 36	64 36	62 36	60 29	42 35	41 29	46 28	34 18	32 22	44 22	25 24	25 25	49.8 27.7		
TOWNER	MAX MIN	33 25	42 27	52 26	50 30	59 25	50 33	47 26	42 20	40 15	57 28	60 32	59 30	60 38	67 28	62 34	59 30	54 25	68 34	67 30	63 35	55 36	45 32	52 26	48 28	38 24	26 26	57 28	50 20	55 27	53.5 28.9			
TROTTERS 3 S	MAX MIN	50 28	52 26	55 39	52 27	72 34	54 30	50 25	45 20	19 21	60 36	61 36	65 40	58 30	73 30	56 35	51 26	55 30	66 37	69 36	62 36	61 42	55 38	43 35	39 28	36 30	34 23	45 29	50 33	46 27	57 24	54.4 31.0		
TURTLE LAKE	MAX MIN	36 28	44 26	53 29	46 32	64 28	60 34	48 29	40 23	16 16	62 27	61 30	60 35	61 41	75 35	61 37	56 31	58 25	70 36	67 35	65 37	63 41	47 37	51 29	30 20	30 20	30 20	30 20	23 23	27 27	30.6 30.6			
UNOERWOOD 4 ESE	MAX MIN	36 27	43 25	52 30	50 30	64 28	60 34	48 32	43 28	40 16	62 28	62 38	62 34	60 44	76 32	73 33	54 29	56 26	70 33	63 36	63 42	57 39	44 32	49 28	47 29	33 29	38 28	48 29	48 29	52 27	53.9 30.6			
UPHAM 3 N	MAX MIN	36 24	42 26	50 26	45 31	61 29	58 34	45 28	40 23	16 16	59 27	59 34	58 30	60 37	65 31	70 35	51 27	53 24	70 37	64 30	66 37	67 32	45 36	49 30	45 30	36 25	48 23	58 25	41 25	55 24	52.9 29.7			
VALLEY CITY	MAX MIN	40 28	34 30	45 21	43 30	43 20	46 30	46 20	40 10	38 10	53 20	55 30	51 38	62 40	58 32	54 40	54 25	50 34	57 39	60 45	65 32	69 35	67 35	54 32	33 28	32 28	30 28	26 26	23 23	25 25	50.6 29.2			
VELVA	MAX MIN	37 27	44 26	54 25	45 32	61 27	59 35	46 27	42 23	45 16	59 30	61 37	60 31	65 40	70 34	68 37	57 28	57 22	71 33	67 38	67 43	65 38	62 37	46 35	50 27	37 27	36 27	42 27	52 27	52 29	54.4 30.1			
WAMPETON	MAX MIN	45 29	35 29	44 25	39 31	43 24	51 33	50 30	44 21	34 14	51 25	60 25	66 32	66 45	66 38	66 42	64 37	64 28	56 36	69 36	67 48	75 40	74 45	64 38	56 30	56 30	43 30	45 30	53 30	52 23	54.5 32.3			
WASHBURN	MAX MIN	35 28	48 26	56 29	50 32	68 28	53 34																											

Continued

DAILY TEMPERATURES

NORTH DAKOTA
APRIL 1980

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12.	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	34	42	51	48	65	50	47	42	42	63	60	64	61	76	74	57	57	68	68	65	65	59	48	52	46	34	38	52	49	52	54.3	
	MIN	28	25	28	28	26	34	28	22	16	28	36	38	40	32	37	31	27	35	40	36	43	42	35	28	28	20	28	31	23	25	30.6	
WISHEK	MAX	36	39	56	41	51	51	47	47	38	46	62	61	64	66	74	61	53	56	68	69	68	72	65	49	57	36	39	49	54	43	54.2	
	MIN	29	25	30	22	32	32	26	23	13	21	36	31	40	29	36	28	19	31	27	41	38	38	37	31	26	24	20	26	14	28.2		

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DEVILS LAKE WB CITY	EVAP WIND	- 53	- 92	- 44	- 75	- 53	- 122	- 112	- 111	- 51	- 76	- 117	- 73	- 120	- 64	- 120	- 80	- 25	- 63	- 66	- 86	- 72	- 45	- 05	- 05	- 03	- 04	- 06	- 15	- 06	- 08	- 51	2338
EDGELEY EXP FARM	EVAP WIND	- *	- 122	- 268	- 232	- 103	- 108	- 147	- 180	- 98	- 140	- 96	- 159	- 130	- 149	- 141	- 66	- 63	- 115	- 85	- 82	- 256	- 263	- 135	- 13	- 02	- 10	- 11	- 24	- 185	- 185	B 4.56 B 3884	
MANDAN EXP STATION (A)	EVAP WIND	- 136	- 286	- 158	- 236	- 129	- 212	- 210	- 251	- 168	- 154	- 199	- 130	- 209	- 168	- 220	- 167	- 144	- 71	- 77	- 223	- 122	- 118	- 316	- 318	- 265	- 111	- 153	- 77	- 105	- 141	B 4.21 5274	
RIVERDALE	EVAP WIND MAX MIN	- 92 - -	- 160 - -	- 98 - -	- 126 - -	- 120 -	- 169 -	- 137 -	- 162 -	- 124 -	- 229 -	- 139 -	- 113 -	- 219 -	- 173 -	- 215 -	- 168 -	- 98 -	- 88 -	- 105 -	- 200 -	- 132 -	- 164 -	- 273 -	- 304 -	- 263 -	- 157 -	- 172 -	- 59 -	- 20 -	- 16 -	4693	

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

SNOWFALL AND SNOW ON GROUND

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	SNOWFALL SN ON GND																									7.5 6	3						
AMENIA	SNOWFALL SN ON GND	5.0 5	3.0 8	3	1			T T																		T T	T T						
AMIDON	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
ASHLEY	SNOWFALL SN ON GND	4.0 4	T 3	2	1																												
BEACH	SNOWFALL SN ON GND																	T T								1.0 T	T T		T T				
BELCOURT INDIAN RES	SNOWFALL SN ON GND	4	3	1																						1.0 1	1.0 2						
BEULAH	SNOWFALL SN ON GND	-	-																							8.0 -	-	-	-	-	-	-	-
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	T T	T T																							2.0 T	.2 2	T 3	T T	T T			
BOTTINEAU	SNOWFALL SN ON GND	2.0 2	2	1	1	T																					2.0 2	T T					
BOWBELLS	SNOWFALL SN ON GND	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T				T T								1.7 1	3.0 3	2	T T	1 1	T T		
BUTTE	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
CARSON	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
CAVALIER	SNOWFALL SN ON GND	1.0 1	6.0 6	T 4	T 3	1	T T	T T																		2.0 2	7.0 5	T T	T T	T T			T
CENTER	SNOWFALL SN ON GND																									3.0 2	I 1	T T					
CROSBY	SNOWFALL SN ON GND																									2.0 2	T T						
DEVILS LAKE WB CITY	SNOWFALL SN ON GND	2.6 T	.9 4	T 3	T T	T T	T T																			2.5 3	.3 3	T T	.6 1	.4 1			

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
APRIL 1960

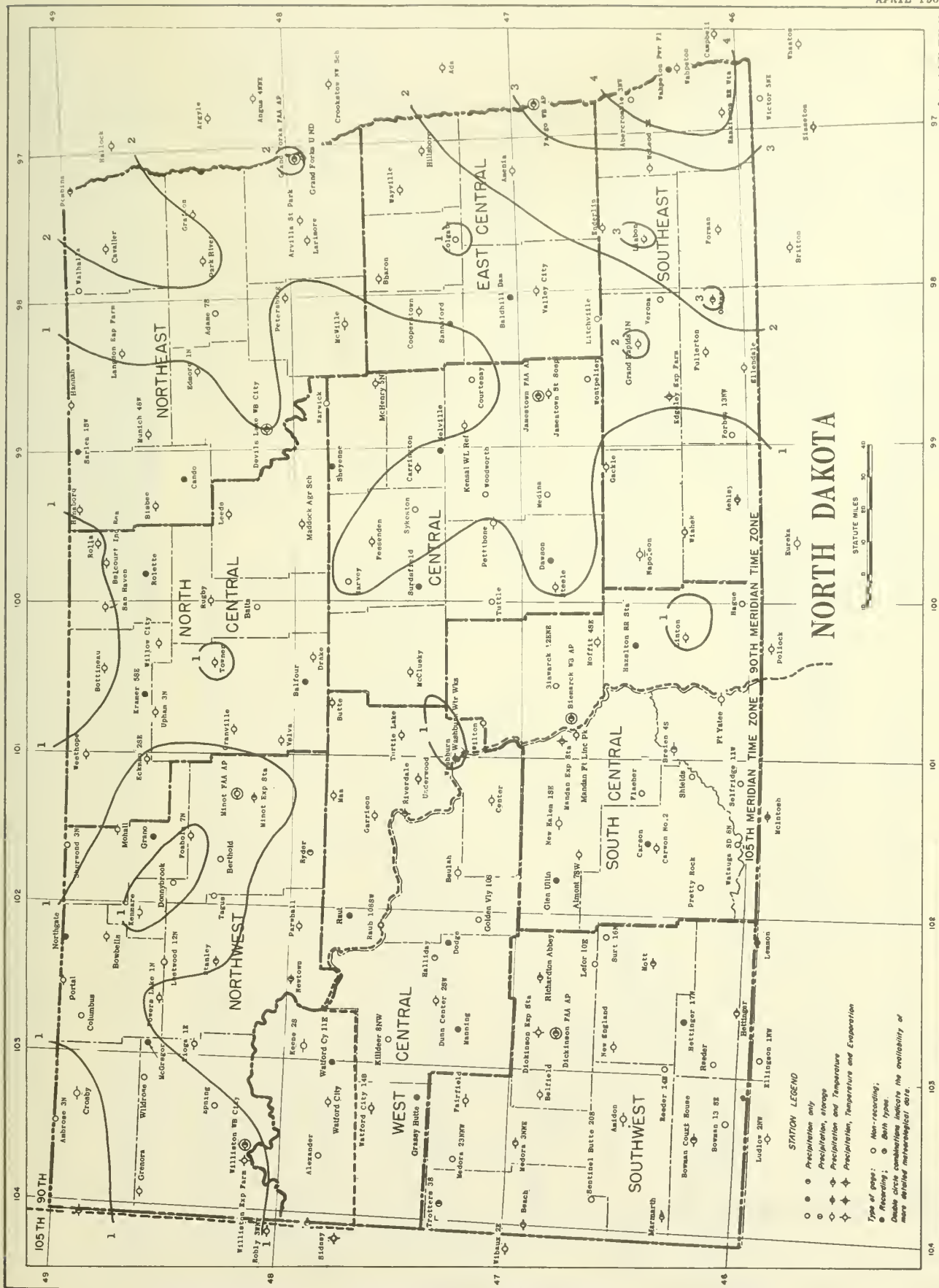
Continued

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND																									.5 T	.2 T		T	T		
DUNN CENTER 2 SW	SNOWFALL SN ON GND																									2.0 2	2.0 3	-	-	T	T	
EDMORE 1 N	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FAIRFIELD	SNOWFALL SN ON GND																							T	T	T	T	T	T			
FARGO WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	5.2 T	1.1 6	T 5	1.6 T	T		T	T																	T	T	T				
FESSENDEN	SNOWFALL SN ON GND	.5 T	.6 T											1.0 T													.2 T	T				
FORMAN	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FORT YATES	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	
FULLERTON	SNOWFALL SN ON GND	4.5 -	1.5 -		-	-																										
GRAFTON	SNOWFALL SN ON GND	3.0 -	5.0 5	-	-	-	-																			3.5 4	3.3 6	-			.4 T	
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	1.0 1	3.0 2	T 3	T 1	1	T	T	T	T	T															3.0 3	T 1	1			T	
GRAND RAPIDS 1 N	SNOWFALL SN ON GND	6.0 6	1.0 7	1.0 4	1																											
GRANVILLE	SNOWFALL SN ON GND																									3.4 2	T 1				T	
HANSBORO	SNOWFALL SN ON GND	1																								-	-	3			T	
HETTINGER	SNOWFALL SN ON GND																									-	-					
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND	5.6 T	1.0 5	4	1	T	T	T																		1.6 T	T 1				T	T
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND	1.0 1	2.0 3	T	T	T																				T	1.0					
LANGDON EXP FARM	SNOWFALL SN ON GND	.9 6	2.1 8	.5 8	7	6	5	4	.2 4	4	3	2	1													1.0 1	3.0 2	T			2.5 T	
MAX	SNOWFALL SN ON GND	T	T	T	T	T	T																			1.0 1	3.0 2	1	T	T	T	
MAYVILLE	SNOWFALL SN ON GND	2.0 2	2.0 4	2	T	T	T	T	T	T	T															1.0 1	T T	T	T			
MC CLUSKY	SNOWFALL SN ON GND	T	.2 T	T																						6.0 4	3	1	T		T	
MC HENRY 5 N	SNOWFALL SN ON GND	1.2 3	2.3 5	3	3	2	1	T	T	T																.4 T	.5 T					
MINOT FAA AIRPORT	SNOWFALL SN ON GND																		T						T	4.4 1	.2 5	T	T	T	T	
MOHALL	SNOWFALL SN ON GND																	3.0								3.0 2	T		T	T		
MOTT	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MUNICH 4 SW	SNOWFALL SN ON GND	T 1	- 1	T				T																		-	5.0 2		T	T		
NAPOLEON	SNOWFALL SN ON GND	3.0 3	1.0 4	T	T	T																				1.0 T	T				T	
PARSHALL	SNOWFALL SN ON GND																									3.0 3	T 2	1				
PETERSBURG	SNOWFALL SN ON GND	1.6 3	2.1 5	4	.4 3	2	T	T	T	T																2.3 2	.9 2	T			T	
PETTIBONE	SNOWFALL SN ON GND	3.0 2	1.0 2	1																						4.0 -	-					
RIVERDALE	SNOWFALL SN ON GND																									4.0 4	1.0 3	1				
SHARON	SNOWFALL SN ON GND	2.0 2	5.0 7	3	2	1	T	T	T	T	T															2.0 2	T T					
STANLEY	SNOWFALL SN ON GND	T	T	T																						4.0 4	T 3	T	T		T	
WAHPETON	SNOWFALL SN ON GND	6.5 -	3.5 -	-	-					T																						
WATFORD CITY	SNOWFALL SN ON GND																									4.0 -	-	-				
WILLISTON WB CITY	SNOWFALL SN ON GND WTR EQUIV																									.3 T	3.8 T	.1 2	T	T		T
WILLOW CITY	SNOWFALL SN ON GND	1	1	T	T	T	T	T	T	T	T	T	T													-	-			T	T	

See reference notes following Station Index.

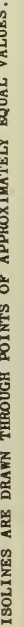
TOTAL PRECIPITATION

APRIL 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

APRIL 1960



STATION INDEX

NORTH DAKOTA
APRIL 1960

STATION	INDEX NO.	COUNTY	DRAINAGE 1	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES			OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE 1	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES			OBSERVER
							TEMP.	PRECIP.	SPECIAL									TEMP.	PRECIP.	SPECIAL	
ABERCROMBIE	0005	RICHLAND	10 48 27	96 45	935	8A				HELMER AMUNDSEN	PEMBINA	6987	PEMBINA	10 48 58	97 14	780	6P	6P		SEIDNEY W. GOUDOLAS	
ADAMS 7 S	0022	WALSH	10 48 20	98 06	1534	8P				MYRON J. BATA	RETERSBURO	7027	RETERSBURO	10 48 01	98 00	1524	6P	6P		MARVIN BROTON	
ALEXANDER	0094	MCKENZIE	11 47 50	103 58	2185	7P				ORAL J. DUALF	PETITBONE	7047	PETITBONE	8 47 07	99 31	1855	7P	7P		ARTHUR J. DEPREY	
ALMONT 7 SW	0136	MORTON	4 46 43	101 39	2300	7P				H. HOGAN RANGLAND	ROTTAL	7201	ROTTAL	12 49 00	102 33	1954	9A	9A		U. S. CUSTOMS OFFICE	
AMROSE 3 N	0189	DIVIDE	12 49 00	103 28	2027	5P				U. S. BORDER STATION	ROWERS LAKE 1 N	7261	ROWERS LAKE 1 N	8 48 36	102 38	2205	7P	7P		HERBERT J. CLARK	
AMENIA	0194	CASS	11 47 00	97 13	980	5S	5S			H. VIRGIL L. GENEAE	PRETTY ROCK	7311	PRETTY ROCK	1 46 10	101 51	2480	6P	6P		FREDA LEER	
ANDHON	0209	SLOPE	1 46 29	105 19	2910	8A	8A			M. FRED FLEENER	RAUB	7405	RAUB	8 47 44	102 04	1885	6P	6P		DANBY R. MAHLBRAT	
ARVILLA STATE PARK	0325	GRAND FORKS	10 47 58	97 30	980	6P	6P			VERNON C. THOMSEN	RAUB 10 SSW	7408	RAUB 10 SSW	8 47 36	102 06	1958	6P	6P		LYLE P. MOLTAN	
ASHLEY	0382	MCINTOSH	8 46 02	99 22	2001	5S	5S			C. SOD LINE AGENT	REEDER	7450	REEDER	3 46 04	102 57	2810	6P	6P		A. V. KITTLESON	
BALDWIN DAM	0450	BARNES	11 47 02	98 02	1300					U. S. CORRS OF ENGINEERS	REEDER 14 N	7452	REEDER 14 N	1 46 19	102 57	2784	8A	8A		CHAS. W. HETZINGER	
BALFOUR	0492	MCHEERY	12 47 57	100 32	1615					C. EMIL ROGSTAD	RICHARDSON ABBEY	7530	RICHARDSON ABBEY	4 46 53	102 19	2470	5P	5P		ASSUMPTION ABBEY	
BALTA	0500	POLAR	11 48 10	100 02	1550	6P	6P			ANTON SCHWALTZ	RIVERDALE	7585	RIVERDALE	8 47 30	101 21	1950	6A	6A		U. S. CORRS OF ENGINEERS	
BEACH	0540	GOLDEN VALLEY	7 46 55	104 01	2824	6A	6A			M. LUTHER F. HODGINS	ROLLETTE	7655	ROLLETTE	12 48 40	100 59	1630				HENRY JOHNSON	
BECCOURT INDIAN RES	0624	ROLETTE	9 48 50	99 45	1940	7P	7P			H. TURTLE MT INDIAN AGENCY	ROLLA	7664	ROLLA	12 48 52	99 37	1819	7P	7P		THEO. B. FAGERLUND	
BELFIELD	0639	STARK	4 46 53	103 11	2583	7P	7P			C. INDERGAARD	ROUGY	7704	ROUGY	12 48 22	100 00	1560	6P	6P		FRANK MORNSTEIN	
BERTHOLD	0729	WARD	12 48 19	101 44	2080	6P	6P			J. JOAN COX	RYDER	7749	RYDER	8 47 55	101 40	2108	6P	6P		S. C. SCHELLENBAUM	
BIRLAH	0766	MERCER	8 47 18	101 47	1780	7P	7P			M. MONT DAK UTILITIES CO.	SAN HAVEN	7824	SAN HAVEN	12 48 50	100 02	2001	6P	6P		STANLEY DOWLING	
BISSEY	0796	TOWNER	2 48 37	99 22	1600	6P	6P			ROBERT J. RYCK	SARLES 1 SW	7844	SARLES 1 SW	9 48 56	99 07	1480				DAVID E. MADLAND	
BISHARCK WB AIRPORT	0819	BURLEIGH	8 46 46	100 45	1650	MID	MID			C. H. U. S. WEATHER BUREAU	SELFRIDGE 5 W	7952	SELFRIDGE 5 W	1 46 02	101 06	2229	6P	6P		JOSERH MOSSET	
BISHARCK 12 ENE	0827	BURLEIGH	8 46 51	100 35	1709	8A	8A			KFVR TRANSMITTER	SELFINT BUTTE 20 S	7976	SELFINT BUTTE 20 S	7 46 37	103 49	2662	7P	7P		G. E. BURY	
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A	8A			M. N. D. SCHOOL OF FORESTRY	SHARON	7986	SHARON	10 47 36	97 54	1516	8P	8P		HUGH LYON	
BOWBELL	0941	BURKE	12 48 48	102 15	1953	8A	8A			M. FELIX L. ADAMS	SHERWOOD 3 N	8047	SHERWOOD 3 N	12 49 00	101 38	1889	6P	6P		U. S. CUSTOMS OFFICE	
BOWMAN COURT HOUSE	0955	BOWMAN	3 46 11	103 23	2980	5P	5P			C. MICHAEL R. HIPSCH	SHILOH	8051	SHILOH	11 47 50	99 07	1480				ALVIN W. KENNEDY	
BOWMAN 13 SE	0958	BOWMAN	3 46 02	103 18	2830	6P	6P			GEORGE HIRSCH	SHIELDS	8051	SHIELDS	1 46 14	101 07	1806	6P	6P		JAMES W. ROSENBOUGH	
BREITEN	1052	SIoux	1 46 24	100 56	1720	6P	6P			C. ANNA C. PEDERSON	STANLEY	8276	STANLEY	8 48 19	102 24	2260	7P	7P		N. G. EVANS	
BURT 16 N	1216	METTINGER	1 46 36	102 08	2344	6P	6P			JACQUES GRUBERLE	STEELE	8366	STEELE	8 46 51	99 55	1857	6P	6P		STEELE OZONE PRESS	
BUTTE	1225	MCLEAN	12 47 50	100 40	1885	8A	8A			H. SAM KRISTEY	TAGUS	8608	TAGUS	5 47 28	99 24	1634	6P	6P		EDWARD SONAG	
CANDON	1288	TOWNER	2 48 29	99 12	1481	8A	8A			C. JACOB E. HARRIS	TATUM	8627	TATUM	12 48 20	101 56	2170	6P	6P		W. P. ELLINGBORE	
CARRINGTON	1350	POSTER	5 47 27	99 08	1556	8A	8A			ANDREW C. HEINZ	TIGUA 1 E	8737	TIGUA 1 E	8 46 24	102 55	2245	8A	8A		SIGNAL OIL AND GAS	
CARSON	1370	GRANT	4 46 25	101 34	2310	8A	8A			H. JACK STEWART	TOWNE	8792	TOWNE	12 48 21	100 24	1482	7P	7P		AUGUST B. RIEDER	
CAVALIER	1435	PEMBINA	9 48 48	97 38	880	6P	6P			M. WILLIE HANSEN RICO	TROTTERS 3 S	8812	TROTTERS 3 S	13 47 17	103 54	2420	6P	6P		JOHN O. NELLEBORE	
CENTER	1456	OLIVER	8 47 07	101 18	2100	6P	6P			H. J. HEINZ	TURTLE LAKE	8840	TURTLE LAKE	8 47 31	100 53	1889	6P	6P		WALTER L. RENFROW	
CELAKE	1686	STEELE	10 47 14	97 39	1180	6P	6P			M. JOHN P. BURCHILL	TUTTLE	8850	TUTTLE	5 46 22	98 05	1382	6P	6P		THEODORE C. JOCHNER	
COLUMBUS	1696	BURKE	12 48 06	102 47	1930	8A	8A			J. O. SUNDALL	UNDEWOOD 4 ESE	8872	UNDEWOOD 4 ESE	8 47 25	101 05	2001	6P	6P		FERDINAND KOENIG	
COOKSTOWN	1766	GRIGGS	11 47 26	98 07	1428	5P	5P			DELAND W. HANSON	UNION 3 N	8913	UNION 3 N	12 48 37	100 44	1425	5P	5P		U. S. FISH AND WILDLIFE	
COURTNEY	1816	STUTSMAN	5 47 13	98 34	1523	6P	6P			G. M. HANAWALT	VALLEY CITY	8937	VALLEY CITY	11 46 55	98 00	1230	6P	6P		GEORGE W. KENNEDY	
CROSBY	1871	DIVIDE	12 48 34	103 18	1952	6P	6P			H. JOHN ANDRIST	VELVA	8950	VELVA	12 48 03	100 55	1511	6P	6P		R. R. AYERS	
DARWIN	2018	KIDDER	8 46 52	99 45	1730					C. J. H. S. WEATHER BUREAU	VERONA	9035	VERONA	5 46 22	98 05	1382	6P	6P		WARREN O. TANG	
DEVILS LAKE WB CITY	2138	RANSBY	2 48 07	98 52	1471	MID	MID			C. H. U. S. WEATHER BUREAU	WAMINGTON ROWER PLANT	9095	WAMINGTON ROWER PLANT	10 46 17	96 36	962	6P	6P		OTTER TAIL PWR PLANT	
DICKINSON FAA AIRPORT	2183	STARK	4 46 47	102 48	2595	MID	MID			C. H. U. S. FED AVIATION AGENCY	WAMINGTON	9100	WAMINGTON	10 46 16	96 36	962	6P	6P		H. WAMPETON WATER PLANT	
DICKINSON EXP STATION	2188	STARK	4 46 53	102 48	2640	7A	7A			DICKINSON EXP STATION	WALHALLA	9155	WALHALLA	9 48 55	97 55	1950				FELIX A. GASTONJAY	
DOGE	2215	DUNN	6 47 18	102 12	1989	6P	6P			C. THEODORE ISAAC	WARWICK	9185	WARWICK	11 47 51	98 42	1470	6P	6P		VIRGIL B. JOHNSON	
DOONBROOK	2242	WARD	12 48 51	101 53	1760	6P	6P			C. BERNICE SONNENBERG	WASHBURN	9195	WASHBURN	8 47 17	101 02	1760	5P	5P		JUDY BORLAUG	
DUNN CENTER 2 SW	2298	MCHEERY	2 47 55	100 47	1634	8A	8A			C. E. J. EVANS	WATGUSA 5 DAKOTA B N	9219	WATGUSA 5 DAKOTA B N	1 46 02	101 02	2034	8P	8P		MARY E. KATIS	
ECKMAN 2 SE	2472	BOTTINEAU	12 48 39	101 01	1495	7A	7A			C. H. U. S. WEATHER BUREAU	WATFORD CITY 11 E	9238	WATFORD CITY 11 E	8 47 47	103 02	2170				H. J. C. ZELLER	
EDGELEY EXP FARM	2482	LA MOURE	5 46 20	98 42	1568	8A	8A			C. JOHN M. ZURCHER	WATFORD CITY 14 S	9246	WATFORD CITY 14 S	7 47 36	103 17	1965	5P	5P		IDA PETERSON	
EDMORE 1 N	2525	RANSBY	8 46 58	99 45	1748	6P	6P			H. WILLIAM E. COLLINS	WESTMORE	9333	WESTMORE	12 48 55	101 01	1508	9P	9P		THEO. ROOSEVELT NMR	
ELLENDALE	2605	DICKEY	5 46 00	98 31	1460	8P	8P			MALCOLM D. GODDARD	WILKROSE	9400	WILKROSE	8 48 38	103 10	2258	6P	6P		JOHANN WINKER	
ENDERLIN	2695	RANSBY	11 46 37	97 36	1120	7A	7A			LEONARD RETERSON	WILLISTON WB CITY	9425	WILLISTON WB CITY	8 48 09	103 37	1877	MID	MID		C. H. U. S. WEATHER BUREAU	
ERFING	2735	WILLIAMS	8 48 17	103 21	2224	6P	6P			E. F. CARPENTER	WILLISTON EXP FARM	9430	WILLISTON EXP FARM	8 48 09	103 41	2105	6P	6P		HOWARD M. OLSON	
FAIRFIELD	2809	BILLINGS	7 47 11	103 13	2750	6P	6P			H. JOHN PETRYSAK	WILLOW CITY	9445	WILLOW CITY	12 48 36	100 17	1471	6P	6P		MRS. O. M. SANDERSON	
FARGO WB AIRPORT	2859	CASS	5 47 15	98 56	1595	6P	6P			C. H. U. S. WEATHER BUREAU	WILTON	9455	WILTON	8 47 09	100 48	2171	6P	6P		EDWIN PETERSON	
FESSENDEN	2949	WELLS	5 47 39	99 37	1620	6P	6P			M. EMIL E. RUST	WISHEE	9515	WISHEE	8 46 16	99 34	2010	8A	8A		J. W. NELLEBORE	
FLASHER	3009	MORTON	1 46 27	101 14	1930	8A	8A			GEORGE W. SINCLAIR	WOODWORTH	9575	WOODWORTH	5 47 09	99 18	2041	6P	6P		CHESTER W. THOMPSON	
FORBES 13 NW	3064	DICKEY	5 46 04	98 56	1988	6P	6P			THEODORE A. WIRCH											
FORMAN	3117	SARGENT	10 46 06	97 39	1249	6P	6P			H. ART WATERMAN											
FORT YATES	3207	SIoux	8 46 06	100 38	1400	8A	8A			M. SOIL CONSERVATIONIST											
FOXHOLM 7 N	3217	WARD	12 48 27	101 34	1609	5P	5P			U. S. WILDLIFE REFUGE											
FULLERTON	3287	DICKEY	5 46 10	98 25	1439	6P	6P			H. F. O. ALIN											
GACKLE	3309	LOGAN	5 46 38	99 08	1951	6P	6P			ALVIN HUMMEL											
GARRISON	3376	MCLEAN	8 47 18	101 25	1911	7A	7A			ALBERT J. BEIERLE											
GLEN ULLIN	3496	MORTON	4 46 49	101 49	2090					FREDERICK J. AMMON											
GOLDEN VALLEY 10 S	3529	MERCER	6 47 10	102 03	1870	6P	6P			ROBERT H. BACKFISCH											
GRATTON	3594	WALSH	10 48 25	97 25	827	5P	5P			M. GRATTON STATE SCHOOL											
GRAND FORKS FAA AIRPORT	3636	GRAND FORKS	10 47 56	97 05	832	MID	MID			C. H. U. S. FED AVIATION AGENCY											
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10 47 55	97 05	832	MID	MID			UNIVERSITY OF N. D.											
GRAND RAPIDS 1 N	3665	LA MOURE	5 46 28	98 21																	

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, B, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Weighing Rain Gage Recording Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- J "Supplemental Data" Table.
- B "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above and covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Monthly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

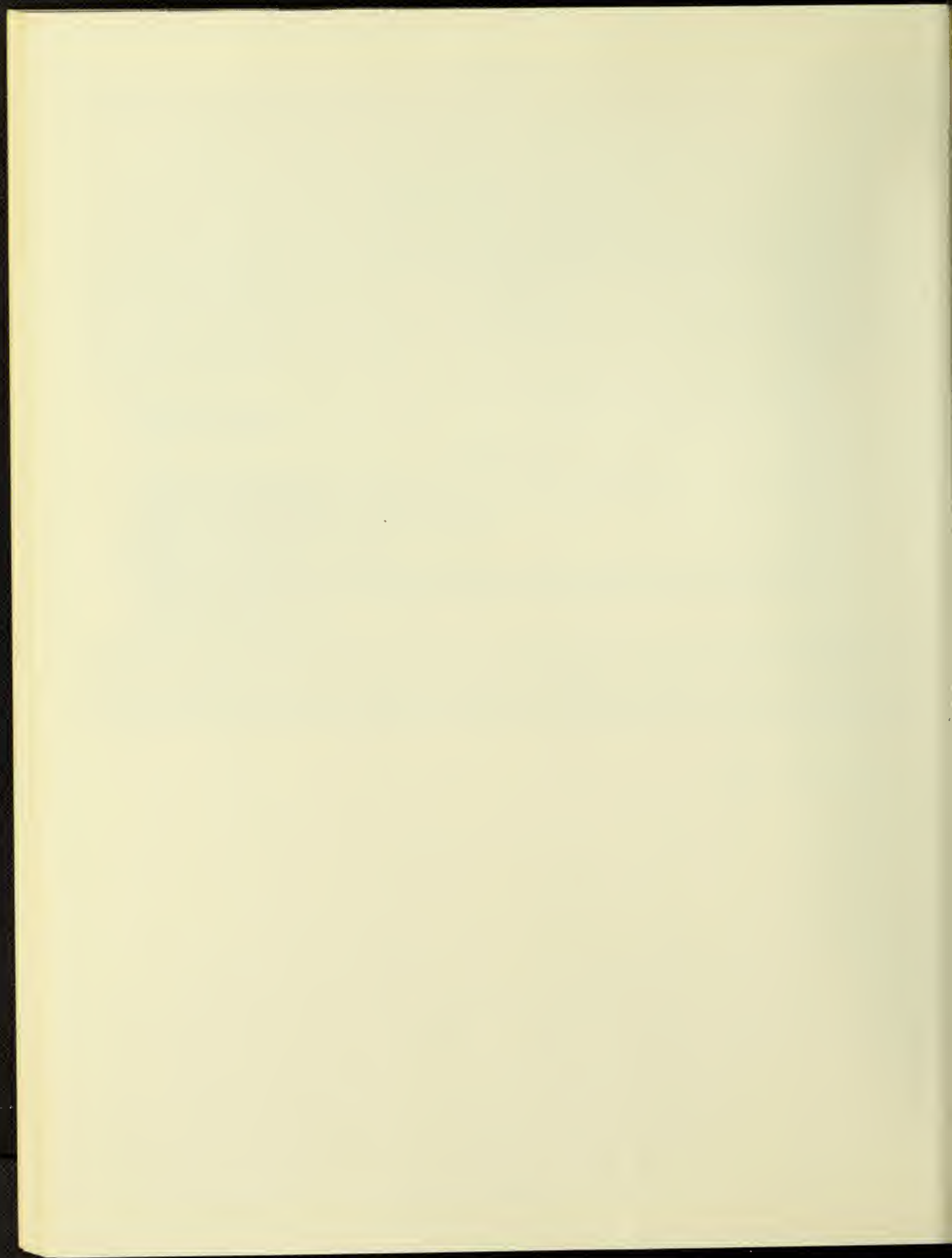
Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest issues of Local Climatological Data Annual, obtained as indicated above, price 15 cents.

USCOMM-WB-ASHEVILLE---6-3-60---825





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U. S. DEPARTMENT OF COMMERCE
FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

MAY 1960
Volume 69 No. 5



ASHEVILLE: 1960

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SUPPLEMENTAL DATA

NORTH DAKOTA
MAY 1960

Station	Wind direction		Wind speed m p h				Relative humidity averages percent			Number of days with precipitation								Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
BISMARCK WB AIRPORT	SSE	11	12.8	66	NW	25	63	74	41	39	3	3	3	1	1	0	11	77	6.2
DEVILS LAKE WB CITY	SE	-	8.3	28	NW	31	-	83	48	45	2	3	6	0	2	0	13	69	6.1
FARGO WB AIRPORT	N	17	15.3	72	NW	31	62	75	42	38	5	4	4	1	0	0	14	61	6.0
WILLISTON WB AIRPORT	SE	-	8.2	31	NW	13	-	73	46	33	4	1	5	1	0	0	11	60	6.7

CLIMATOLOGICAL DATA

Station	Temperature												Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										80° or Above	32° or Below	32° or Below	32° or Below					Total	Max Depth on Ground	Date	10 or More	50 or More	
NORTHWEST DIVISION																							
80WBELLS	AM	65.5	40.0	52.8		87 13	24 6	379	0	0	8	0	0	2.41		.80	18	.0	0		5	2	0
CROSBY		69.1	41.0	55.1	2.2	91 12	26 6	307	1	0	7	0	0	1.57	-	.53	18	.0	0		4	1	0
FOXHOLM 7 N		68.8	39.5	54.2	0.0	88 12	22 3	334	0	0	5	0	0	1.91	.07	.72	28	.0	0		5	1	0
GRENOA		69.8	40.4	55.1		93 12	26 6	318	2	0	6	0	0	1.48		.52	8	.0	0		4	1	0
KENWARE	AM	65.6	41.6	53.6		87 13	25 6	359	0	0	6	0	0	2.03	.17	.67	18	.0	0		5	1	0
LOSTWOOD 12 N	M	67.1	42.4	54.8		87 12	25 3	326	0	0	4	0	0	2.49		1.20	25	.2	T	2	4	2	1
MINOT FAA AIRPORT		65.8	41.2	53.5		86 13	26 6	366	0	0	6	0	0	2.51		1.06	26	T	T	2	4	2	1
MINOT EXP STATION	AM //	67.9M	39.4	53.7M	- 0.3	89 12	24 5+	348	0	0	8	0	0	2.84	.83	.90	28	.0	0		6	3	0
MOHALL		68.5	41.0	54.8	1.4	88 12	24 7	318	0	0	5	0	0	1.09		.57	58	.0	0		3	1	0
NEW TOWN		69.5	39.3	54.4		88 12	21 7	325	0	0	6	0	0	1.13	.89	.62	28	.0	0		4	1	0
PARSHALL		65.8M	41.5M	53.7M	1.0	88 13	21 6	397	0	0	7	0	0	2.16	.28	.56	18	.0	0		5	2	0
PORTAL	AM	65.9	38.4M	52.2M		88 12	21 6	397	0	0	7	0	0	2.00		.65	18	.0	0		6	1	0
POWERS LAKE 1 N		66.0	39.1	52.6		89 13	27 7+	388	0	0	8	0	0	1.64		.53	18	.0	0		5	1	0
STANLEY	AM	66.3M	40.0M	53.2M		87 12	27 3	384	0	0	5	0	0	1.73		.50	23	.0	0		6	1	0
TIOGA 1 E	R //	67.6	44.1	55.9	1.3	93 12	31 7	292	1	0	3	0	0	1.87	.07	.69	24	.0	0		5	2	0
WILLISTON WB CITY		68.3	42.0M	55.2M		93 12	29 6+	308	1	0	4	0	0					.0	0				
WILLISTON EXP FARM														1.95	.05			T					
DIVISION																							
NORTH CENTRAL DIVISION																							
BELCOURT INDIAN RES		64.9	37.9	51.4		84 13	18 4	413	0	0	7	0	0	3.86		1.99	26	.0	0		5	2	2
BOTTINEAU	AM	65.1	40.2	52.7	- 0.7	87 14	22 4	385	0	0	8	0	0	3.56		2.41	26	.0	0		5	2	1
ORAKE	AM	67.0	42.1	54.6	0.6	89 14	26 6+	336	0	0	5	0	0	4.64	2.80	2.44	26	.0	0		6	4	1
ECKMAN 2 SE	AM	65.8	38.8	52.3	- 1.0	89 13	23 3	400	0	0	10	0	0	2.84		1.40	26	T	0		5	2	1
GRANVILLE		69.4	40.3	54.9	- 0.4	88 12	21 2	322	0	0	8	0	0	3.67	1.63	1.72	25	T	0		5	3	1
LEEOS		68.3	40.3	54.3		87 13	23 7+	345	0	0	8	0	0	4.31		1.71	25	.0	0		5	3	1
MAODOCK AGRI SCHOOL		70.2	39.8	55.0	0.8	91 13	23 3	318	1	0	8	0	0	5.64	3.63	1.65	18	.0	0		7	4	3
ROLLA		65.5	40.2	52.9		85 13+	19 3	377	0	0	7	0	0	3.24		1.24	25	.0	0		5	2	2
RUGBY		69.5	42.3	55.9		89 13	25 3	294	0	0	7	0	0	3.76	2.00	1.50	26	T	0		5	2	2
SAN HAVEN		66.1	41.6	53.9	0.8	86 13	24 3	348	0	0	5	0	0	3.26	1.34	1.70	26	.0	0		4	2	2
TOWNER		70.1	40.0	55.1	0.6	90 13	23 4	323	1	0	7	0	0	3.96	1.98	2.02	25	.0	0		6	2	1
UPHAM 3 N		69.7M	38.4M	54.1M		89 13	22 6	357	0	0	11	0	0	3.19		1.52	25	.0	0		5	2	1
VELVA		70.2	41.0	55.6	0.3	90 12	24 7+	309	1	0	7	0	0	3.78	1.62	1.76	25	T	0		6	2	1
WESTHOPE		67.2	39.5	53.4	- 0.9	88 12	24 3	364	0	0	7	0	0	2.24		1.23	25	T	0		4	1	1
WILLOW CITY		68.9	36.6M	52.8M	- 0.3	89 13+	19 3	399	0	0	12	0	0	4.12	2.31	2.25	25	T	0		5	2	1
DIVISION																							
NORTHEAST DIVISION																							
ARVILLA STATE PARK		71.2	38.2	54.7		89 31	15 3	327	0	0	11	0	0	2.48		.78	18	.0	0		6	2	0
BISBEE		66.4	39.4	52.9		85 13+	22 3	375	0	0	7	0	0	3.71		1.33	25	.0	0		5	3	0
CAVALIER		70.3	41.0	55.7		89 31	22 3	298	0	0	7	0	0	.91		.30	18	.0	0		3	0	0
DEVILS LAKE WB CITY	R	66.6	41.9	54.3	1.3	86 13	24 3	339	0	0	7	0	0	4.11	1.98	1.43	18	1.0	1	2	8	2	0
EDMORE 1 N		67.1	39.7	53.4		83 31+	24 7+	356	0	0	8	0	0	3.08		.98	19	.0	0		7	3	0
GRAFTON		67.5	36.6	52.1	- 3.3	85 31+	19 3	399	0	0	11	0	0	1.88	.02	.70	19	.0	0		5	1	0
GRAND FORKS FAA AIRPORT	R	71.1	41.8	56.5		90 31	26 3	281	1	0	8	0	0	1.35		.35	17	T	0		4	0	0
GRAND FORKS UNIVERSITY		69.4	42.7	56.1	1.2	88 31	27 3	285	0	0	8	0	0	1.59	-.74	.76	18	T	0		3	1	0
HANNAH		65.9M	39.2M	52.6M		86 13	23 6	402	0	0	0	0	0	1.82	-.24	.63	18	.0	0		6	2	0
HANSBORO		67.2M	39.1M	53.2M	1.3	86 13	24 5	372	0	0	7	0	0	2.28		.43		.0	0				
LANGOON EXP FARM		68.1	38.4	53.3	0.8	84 31+	22 6	363	0	0	9	0	0	2.74	.79	.90	18	.2	0		6	3	0
LARIMORE		69.7	40.7	55.2	0.6	87 31	21 3	308	0	0	9	0	0	2.64	.43	.78	18	.0	0		6	1	0
MC VILLE		68.8	40.4M	54.6M		85 31+	22 3	333	0	0	8	0	0	3.20		1.26	19	T	0		6	2	0
MUNICH 4 SW		67.2	39.7	53.5		84 13	23 3	359	0	0	7	0	0	2.54		.75	18	T	0		6	2	0
PARK RIVER		70.7	40.0	55.4	1.2	87 31	22 3	310	0	0	10	0	0	2.04		.80	19	.0	0		5	1	0
PEMBINA		71.7	38.7	55.2		89 31	24 7+	311	0	0	9	0	0	1.29	-.60	.44	19	.0	0		4	0	0
PETERSBURG		67.5	41.0	54.3		84 31	24 3	336	0	0	6	0	0	2.58	.55	1.09	19	.4	0		6	1	1
DIVISION																							
WEST CENTRAL DIVISION																							
BEULAH		71.5	42.6M	57.1M		90 22+	24 7	271	2	0	2	0	0	4.14		2.76	25	.0	0		4	2	1
BUTTE	AM	67.0M	41.4	54.2M		88 14	25 3	340	0	0	5	0	0	5.02		2.33	26	.0	0		6	3	1
CENTER		69.5	39.4	54.5		88 22	23 7	332	0	0	6	0	0	4.65		2.31	25	.0	0		5	3	2
OUNN CENTER 2 SW	AM	65.8																					

CLIMATOLOGICAL DATA

NORTH DAKOTA
MAY 1960

Continued

Station	Temperature												Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow Sleet			No of Days						
										Max		Min						Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More				
										30° or Above	32° or Below	32° or Below	30° or Below														
TURTLE LAKE	70.0	42.1	56.1		86	13	26	3	287	0	0	5	0	3.66		1.70	25	.0	0		7	2	1				
UNDERWOOD & ESE	68.1	41.2	54.7		86	22	27	3	325	0	0	6	0	4.56		2.14	25	.0	0		4	3	2				
WASHBURN																											
WATFORD CITY	69.4	43.2	56.3	1.2	93	12	28	7	279	1	0	3	0	2.66	.81	1.16	28	.0	0		6	1	1				
WATFORD CITY 14 S	72.2	41.2	56.7		92	12	22	7	274	2	0	9	0	2.15		1.09	28	.0	0		5	1	1				
WILTON	68.2	41.6	54.9		86	13	28	3	321	0	0	5	0	4.80		2.63	25	.0	0		7	3	1				
DIVISION			55.0	0.9										3.26	1.25			.0									
CENTRAL DIVISION																											
CARRINGTON	AM	67.3	38.5	52.9	- 0.3	88	14	23	3	375	0	0	9	0	4.93	2.64	1.35	19	.7	T	2	7	3	2			
FESSENDEN		70.8	40.0	55.4	1.2	90	13	23	3	307	1	0	10	0	5.05	2.91	1.32	25	.0	T		8	4	1			
JAMESTOWN FAA AIRPORT	R//	69.1	40.5	54.8		88	31+	26	3	326	0	0	9	0	3.52		.77	18	T	0		9	1	0			
JAMESTOWN STATE HOSP		69.3	42.3	55.8	0.6	92	31	27	3	300	1	0	7	0	3.30	1.11	.75	29	T	0		8	3	0			
KENSAL WILDLIFE REFUGE		70.5	39.0M	54.8M		88	31	25	7+	323	0	0	10	0	4.40		1.34	26	T	0		8	3	1			
MC CLUSKY		68.9	40.5	54.7	0.4	88	13	25	3	327	0	0	6	0	5.58	3.26	2.01	25	T	0		8	4	1			
MC HENRY 5 N		69.2	39.0	54.1		87	13	22	3	338	0	0	9	0	2.98		.97	19	.7	T	2	8	1	0			
PETTIBONE		68.5	40.8	54.7	0.6	87	13	27	6	323	0	0	7	0	3.88	1.77	.93	26		T		8	3	0			
STEELE		69.8	41.6	55.7	1.4	88	13	28	11+	296	0	0	7	0	5.82	3.56	1.58	18	3.0			11	3	2			
DIVISION			54.8	1.0										4.38	2.11			.6									
EAST CENTRAL DIVISION																											
AMENIA		73.4M	40.4M	56.9M		88	31	25	3	293	0	0	5	0	1.66		.40	26	T	0		5	0	0			
COOPERSTOWN		70.2	41.4M	55.8M		87	31	26	7+	276	0	0	7	0	3.26		.65	18	T	0		9	3	0			
FARGO WB AIRPORT	R//	71.3	41.8	56.6	1.6	88	31	26	11+	276	0	0	8	0	1.71	-.90	.69	31	.2	T	3+	5	1	0			
HILLSBORO		70.9	40.8M	55.9M	0.5	88	31	26	3+	286	0	0	7	0	1.77	-.46	.65	29	1.0	T		6	0	0			
MAYVILLE		68.4	42.0	55.2	- 0.5	83	31	24	3	307	0	0	8	0	2.66		.39	18	.5	T	2	5	1	0			
SHARON		68.4	40.8	54.6	0.8	84	31+	24	3	325	0	0	8	0	3.54		.90	24	T	0		8	2	1			
VALLEY CITY		70.3	43.2M	56.8M	0.7	86	31	24	8	265	0	0	8	0	3.05	.70	.73	26	T	0		7	3	0			
DIVISION			56.0	0.8										2.52	.08			.2									
SOUTHWEST DIVISION																											
AMIDON	AM	65.4M	38.9M	52.2M		90	13	29	20+	392	0	0	6	0	3.73		1.25	28	5.0	T		6	3	1			
BEACH	AM	66.5	40.5	53.5		89	12	21	7	358	1	0	6	0	1.49		.52	28	T	0	3	4	1	0			
BELFIELD		68.0	39.7	53.9		89	12	21	7	342	0	0	5	0	2.94		1.69	28	T	0		4	2	1			
BOWMAN COURT HOUSE		68.1	41.9	55.0	0.8	86	12	29	4+	306	0	0	4	0	3.27		1.00	3	7.0	T		6	3	1			
OICKINSON FAA AIRPORT	R//	66.8	40.7	53.8		88	12	28	7	349	0	0	4	0	2.03		.96	28	.5	T	3	5	1	0			
OICKINSON EXP STATION	AM	66.9	38.6	52.8	- 0.3	89	13	21	7	382	0	0	6	0	2.23	.22	.83	28		1	3	5	2	0			
FAIRFIELD		66.0	41.9	54.0		88	12	27	3	337	0	0	4	0	2.72		1.42	28	.0	0		5	1	1			
HETTINGER		67.7M	41.2M	54.5M	- 0.5	85	31+	28	6	322	0	0	4	0	4.54	2.43	1.56	25	6.0	4	3	7	3	2			
WADSWORTH	AM	67.9	39.8	53.9	- 1.6	89	13	26	7	349	0	0	7	0	3.10	1.18	1.90	28	1.5	0		6	1	1			
WEDDORA 3 NNE		70.2M	37.6M	53.9M		86	12	24	7+	349	0	0	9	0	2.61		1.54	28	.0	0		5	1	1			
MOTT		67.8	38.9	53.4	- 1.6	87	12	24	7	360	0	0	9	0	2.83	.93	1.18	25		5	3	4	2	1			
NEW ENGLAND		68.0M	38.4M	53.2M	- 1.6	87	12	25	7	360	0	0	8	0	2.83	.95	.73	24		5	3	5	4	0			
RICHARDSON ABBEY		69.2	41.7	55.5	1.1	87	12	29	3	304	0	0	3	0	3.07	1.05	1.45	25	.5	0		5	3	1			
TROTTERS 3 S																											
DIVISION			53.8	- 0.5										2.88	.93			2.3									
SOUTH CENTRAL DIVISION																											
ALMONT 7 SW		68.9	42.0	55.5		88	22	29	7+	305	0	0	4	0	2.70		1.35	25	4.0	3	3	5	2	1			
BISMARCK WB AIRPORT	R//	70.0	42.4	56.2	1.4	88	22+	28	11+	290	0	0	4	0	2.89	.95	1.51	25	2.8	T	3	5	2	1			
BREIEN		72.1	39.0M	55.6M		89	31+	24	11	303	0	0	7	0	2.72		1.21	25	7.0	T		4	2	1			
CARSON	AM	68.4M	40.8	54.6M	- 0.2	86	23	25	6	319	0	0	6	0	3.75	1.39	1.02	26		4	3	6	3	2			
FORT YATES	AM	68.8M	41.7M	55.3M	- 1.4	87	23+	26	7	312	0	0	5	0	3.67	1.57	.99	25	6.5	T		7	3	0			
LINTON		73.1M	41.9M	57.5M	0.9	92	31	23	7	275	1	0	7	0	3.83	1.78	1.09	25	6.0	3	3	8	2	1			
MANDAN EXP STATION	AM	57.7	41.5	54.6	- 0.6	87	23+	27	11+	335	0	0	5	0	3.19	1.24	1.63	26	3.0	T	4+	5	2	1			
MANDAN FT LINCOLN PARK		69.7M	40.9M	55.3M		88	13	26	9+	327	0	0	7	0	2.91		1.94	25	2.0	T	3	4	1	1			
MOFFIT 4 SE		70.1M	40.9M	55.5M		91	13	20	6	317	1	0	8	0	3.25		1.18	25	3.0	1	3	9	1	1			
NEW SALEM 1 SE		68.9	40.7	54.8	0.2	88	22	28	3	318	0	0	5	0	3.84	1.82	1.70	25	3.0	0		6	3	1			
DIVISION			55.5	0.0										3.28	1.22			4.1									
SOUTHEAST DIVISION																											
ASHLEY		68.7	39.5	54.1	- 0.3	85	31+	23	11+	336	0	0	10	0	3.60	1.62	.99	19	1.0	T	3	7	3	0			
EDGELEY EXP FARM	AM	68.3	40.3	54.3	- 0.6	85	14	26	1	330	0	0	9	0	6.50	4.12	2.53	19	.0	0		7	4	3			
ELLENOALE		69.7	42.6	56.2	0.4	86	31	28	1	278	0	0	5	0	5.72	3.50	1.72	25	T	0		6	4	3			
ENDERLIN	AM	68.8	41.2	55.0		85	14	26	8	320	0	0	9	0	2.71		1.32	26	.0	0		5	1	1			
FORMAN		70.4	43.1	56.8		88	31	29	1	269	0	0	7	0	3.41	.86	1.53	26	.0	0		7	2	1			
FULLERTON		70.7	42.2	56.5	0.4	91	23	25	1	285	1	0	8	0	5.65	3.14	1.53	24	.2	0		6	5	3			
GACKLE		68.0	42.6	55.8		90	31	27	7+	291	1	0	6	0	4.37		1.20	19	T	2	3	8	3	2			
GRAND RAPIDS 1 N		71.3	40.1	55.7		88	31	26	11+	293	0	0	9	0	5.93		1.79	19	2.0	T	3	7	6	2			
HANKINSON R R STATION	AM	68.0	43.3	55.7	- 0.8	84	24	29	1	295	0	0	3	0	1.43	-.98	.70	26	T	0		4	1	0			
LISBON		72.2	41.4	56.8	1.2	89	31	25	8	269	0	0	8	0	3.18		.83	1.39	26	1.0	0		7	2	1		
MC LEOD 3 E		70.7	42.3	56.5	- 0.1	88	31	26	1	266	0	0	8	0	1.62	-.89	.53	18	T	0		3	1				

NORTH DAKOTA
MAY 1960

See reference notes following Station Index

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DAILY PRECIPITATION

Continued

NORTH DAKOTA
MAY 1960

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
POWERS LAKE 1 N																																	
PRETTY ROCK	3.79	.08	.06	.75	T	.18			T										T	.80					.16	.20			.40				
RAUB 10 SSW	.77																		.15	1.72					.19						.44	.	
REEDER	3.69		.10	.48		.15													.08						.31		.15				.23	.	
REEDER 14 N	2.78		.02	.19		.10																			1.09	1.43		.35	.09				
																									.45	1.29	.12	.47	.14			.	
RICHARDSON ABBEY	3.07			.13	.01				.12												T	T			.02	1.45		.71	.59		.04	.	
RIVERDALE	3.64	T	T	T	T					.05									T	.02	.03	T			.02	.54	1.26	.65	.68		.39	.	
ROLLA	3.24																		.42	.19	.02				.02	1.24	1.22	.15			T	.	
RUGBY	3.76		.02						.02											.28	.09			T	.26	1.40	1.50	.12	.05			.	
RYDER	1.79	T							.08										.02						.10	.85	T	.10	.64		T	.	
SAN HAVEN	3.26								T										.06	.11					.08	1.06	1.70	.25				.	
SELPRIODE 5 W	3.82	T	.20	1.60																					.15	1.21				.37		.25	.
SENTINEL BUTTE 20 S	1.98			.27					.12										.15						.24							.	
SHARON	3.54	T	.12	T	.12														.07	.75	.38				1.11	.47	.44	.20	1.00	.14		T	.
SHERWOOD 3 N	2.69								.02	.08									.07	.75					.38	.25	.16	.98				.	
SHIELDS	2.59		.10	.50					.06										T						.15	1.33		.39	.02		.04	.	
STANLEY	2.00		.01						.29										.34	.65					.14	.23		.39				.04	.
STEELE	5.82		.10	.24	.32				T										.21	1.58	.27				.01	1.23	.49	.19	.28				.
SYKESTON	-								.12	1.08									.12	1.08	-		T		.54	.57	1.13	T	.32		.25	.	
TAGUS	2.09		.03						.11										.09	.07					.43	.48		.88				.	
TIOGA 1 E	1.64	T							T	.28									.01	.53	T	.05			.10		.13		.49	.05		.	
TOWNER	3.96								.07										.13	.34					.48	2.02	.55	.37				.	
TROTTERS 3 S	-																															.	
TURTLE LAKE	3.66		.03	.02	.01				.03										.04	.12					.11	1.70	.28	T	.87	.19	.26	.	
TUTTLE	5.85		.03	.15					.02										.43	T	.22				.55	3.30	.58	T	T	.57	T	.	
UNDERWOOD 4 ESE	4.56			.01	.02				.06										.04	.59					.06	2.14	.05	1.11	.43		.05	.	
UPHAM 3 N	3.19								.02										.05	T	.44				.19	1.52	.58	.39				.	
VALLEY CITY	3.05	T	.15	.22					.02	T									.02	.72	.37				.65	T	.73		.17		.02	.	
VELVA	3.78		.03						.03	.24									.03	.24					.29	1.76	.49	T	.81	.13		T	.
VERONA	3.19			.43	.03														.01	.57	.55				.21	.24	.92		.23			.	
WAHPETON	1.68	T		.33	.03														.03	.07	.06				.08	.74	.28		.06	T		.	
WALHALLA	1.78																		.40	.80					.12	.02	.30		.14			.	
WARWICK	3.52		.18																.38	.92					.26	.57	.78	T				.43	.
WASHBURN	-																		T														.
WATAUGA S DAKOTA 8 N	4.14	T	.95		.15														T						.24	2.22		.58				T	.
WATFORD CITY	2.66								.42										T	.41	.10	.07			.40	.10		1.16				.	
WATFORD CITY 14 S	2.15								.42										T	.25	T				.28	.01		1.09	.10			.	
WESTHOPE	2.24	T							T	.06									.13	.29					.03	1.23	.07	.43				.	
WILORSE	1.64								.24										.09	.40					.53			.38				.	
WILLISTON WB CITY	1.73	T							.21										.14	.22	T				.50	.20	.01	T	.45			T	.
WILLISTON EXP FARM	1.87		.02						T																							.	
WILLOW CITY	4.12	T							.19										.10	.31	.06				T	T	.69		.50			T	.
WILTON	4.80		.06	.10	.04	T			.02										.08	.11	.04				.32	2.25	.89	.46	.03			T	.
WISHEK	4.04		.04	.60	.15	.03																			1.00	.32	.30		.34	.60		.56	.
WOODWORTH	4.49			.28															.35	1.00					.58	1.23	.72		.53			.13	.
																.05			.31	.66												.	

DAILY TEMPERATURES

NORTH DAKOTA
MAY 1960

Station	Day Of Month																																	Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ALMONT 7 SW	MAX MIN	67 36	52 37	38 29	47 32	55 36	59 29	65 29	60 39	67 41	67 36	72 37	86 44	84 51	68 51	72 41	72 37	73 37	71 45	62 42	72 40	73 38	88 46	82 56	76 55	64 49	67 46	74 44	64 46	72 46	81 50	85 56	68.9 42.0	
AMENIA	MAX MIN	68 27	61 27	39 25	56 35	36 36	32 32	30 29	38 37	40 37	33 38	33 37	37 39	40 38	45 33	40 39	78 37	78 40	75 44	75 41	70 55	71 46	75 45	86 45	85 46	82 45	75 46	76 54	70 45	75 46	80 46	88 46	73.4 40.4	
AMIOON	MAX MIN	50 34	61 37	57 30	37 29	44 33	54 31	56 29	64 37	62 37	63 38	68 33	72 39	70 37	72 40	73 37	72 44	58 38	76 29	70 32	71 29	75 44	86 43	83 47	74 44	63 46	60 46	74 39	73 49	54 49	79 49	82 50	65.4 38.9	
ARVILLA STATE PARK	MAX MIN	64 20	53 23	45 15	62 32	60 31	52 26	59 27	65 22	67 29	64 32	75 29	77 35	87 37	83 49	84 39	74 39	76 39	69 53	72 51	70 44	75 37	84 36	85 41	75 51	71 55	68 54	72 44	72 45	75 46	83 54	89 55	71.2 38.2	
ASHLEY	MAX MIN	70 29	64 31	37 27	51 31	59 39	51 24	60 23	60 31	68 29	64 29	69 23	81 41	85 47	73 40	80 39	71 48	65 42	75 52	63 45	67 39	79 45	80 45	79 52	76 57	69 49	66 46	70 41	70 47	72 45	85 45	88 54	68.7 39.5	
BEACH	MAX MIN	57 34	67 35	55 32	38 30	45 30	55 32	59 30	66 30	64 32	65 31	69 41	76 51	90 31	73 41	66 51	67 43	72 40	70 44	55 33	57 45	70 45	79 48	77 43	80 51	66 54	65 51	70 43	76 51	59 41	72 49	83 50	66.5 40.5	
BELCOURT INDIAN RES	MAX MIN	53 26	49 26	44 21	57 18	57 33	50 22	59 22	57 34	57 33	59 35	66 33	82 41	84 49	76 35	63 41	66 43	58 47	60 33	68 33	70 33	74 44	77 46	77 51	74 54	59 51	65 41	65 51	71 45	75 45	80 51	64.9 37.9		
BELFIELD	MAX MIN	67 36	57 37	42 31	49 34	54 34	56 29	65 21	63 41	66 35	70 29	75 33	89 44	80 54	67 42	69 37	70 38	72 53	65 45	57 32	69 33	78 44	81 44	74 53	70 51	59 41	68 51	74 41	73 45	69 45	81 41	80 53	68.0 39.7	
BEULAH	MAX MIN	67 34	58 36	45 34	56 36	57 40	60 36	67 24	63 43	68 33	69 32	77 33	90 41	84 54	71 42	71 34	74 42	75 52	74 47	62 38	72 42	78 43	90 46	87 46	77 53	69 50	87 50	76 47	69 53	68 53	84 60	71.5 42.6		
BISBEE	MAX MIN	56 27	46 24	47 22	60 25	52 34	53 27	51 28	60 28	63 34	62 37	70 43	85 38	85 44	70 43	68 42	68 36	68 50	72 38	62 50	77 38	72 40	80 43	77 49	72 54	68 50	62 51	69 43	73 48	78 44	84 55	66.4 39.4		
BISMARCK WB AIRPORT	MAX MIN	69 34	47 35	36 31	52 35	58 39	61 28	62 40	60 34	69 34	68 35	72 28	86 44	88 55	72 36	75 43	73 39	70 48	80 55	65 43	73 41	74 37	88 46	83 51	80 51	61 51	68 49	73 44	66 54	74 40	81 45	86 55	70.0 42.4	
BOTTINEAU	MAX MIN	50 31	55 30	42 25	50 22	59 35	56 28	56 42	63 37	60 33	59 32	63 41	71 51	86 31	87 53	67 36	64 44	69 47	59 46	59 46	69 36	77 43	72 47	59 53	69 56	82 48	77 56	71 61	69 51	73 43	78 45	88 51	65.1 40.2	
BOWBELLS	MAX MIN	57 32	56 31	45 30	51 26	62 29	52 24	58 28	64 42	57 37	64 38	65 43	73 41	87 53	79 43	65 42	64 35	70 44	64 41	56 35	70 41	66 42	82 46	77 51	72 44	80 51	62 43	76 48	68 51	73 44	79 47	50 40	65.5 40.0	
BOWMAN COURT HOUSE	MAX MIN	64 44	61 41	50 29	40 29	54 36	55 30	64 30	63 44	63 39	68 38	73 38	86 45	78 53	68 43	68 40	72 38	69 50	68 45	59 35	69 34	78 44	79 53	79 50	70 43	64 53	68 49	75 41	73 45	69 50	81 42	84 52	68.1 41.9	
BREIEN	MAX MIN	70 35	66 35	45 30	48 33	58 41	59 25	64 25	63 36	68 33	68 31	73 24	86 34	88 51	73 31	75 48	73 44	75 53	75 49	73 39	73 38	75 42	82 49	77 56	71 49	69 47	77 43	71 53	79 47	83 45	89 45	72.1 39.0		
BUTTE	MAX MIN	59 33	62 31	40 25	46 29	55 33	54 25	57 29	64 39	59 33	65 32	72 41	86 51	88 40	70 42	88 46	72 36	74 40	74 43	59 36	70 40	72 43	79 44	70 54	82 44	82 55	76 44	71 50	71 53	66 47	79 47	91 51	67.0 41.4	
CARRINGTON	MAX MIN	53 27	65 28	39 23	43 28	60 35	55 27	55 27	61 30	63 32	63 36	70 26	85 36	88 46	72 45	72 38	70 34	74 49	74 49	66 39	68 35	74 41	81 49	82 53	78 53	66 40	63 53	66 47	69 56	72 44	79 48	82 52	67.3 38.5	
CARSON	MAX MIN	58 37	69 32	57 28	47 27	45 36	55 28	59 27	61 36	62 25	67 30	72 35	84 47	84 52	71 38	71 40	72 49	70 50	72 43	70 33	72 34	70 43	86 49	80 54	74 54	73 53	68 43	70 51	77 45	83 48	89 52	70.3 40.8		
CAVALIER	MAX MIN	54 26	42 27	48 22	62 33	60 42	52 27	58 29	63 29	67 37	68 33	73 35	85 36	87 44	82 45	72 49	75 52	69 44	72 54	70 45	71 46	74 54	81 42	81 46	77 45	78 56	77 52	70 41	71 51	77 44	89 48	70.3 41.0		
CENTER	MAX MIN	65 30	54 34	41 31	52 33	55 35	58 25	64 23	58 34	65 33	66 30	71 26	80 42	86 40	71 38	70 43	73 34	69 44	73 51	62 38	71 39	75 35	88 42	84 50	78 56	71 47	65 50	78 41	71 46	81 42	86 48	69.5 39.4		
COOPERSTOWN	MAX MIN	62 27	55 30	42 26	59 33	59 42	56 27	59 26	62 30	67 36	69 34	71 28	83 37	85 48	72 47	76 38	72 45	73 43	70 52	72 41	73 41	70 54	82 41	76 55	76 56	67 50	71 44	67 56	69 44	73 50	87 48	70.2 41.4		
CROSBY	MAX MIN	57 31	54 33	54 29	61 27	57 32	58 26	66 21	64 41	65 35	64 36	75 37	91 46	86 47	67 45	66 39	70 43	69 55	66 42	55 38	66 43	74 44	80 43	82 54	76 55	67 52	68 45	73 48	71 52	83 48	88 51	69.1 41.0		
DEVILS LAKE WB CITY	MAX MIN	60 27	37 28	43 24	60 27	53 35	52 28	58 23	61 35	63 40	60 34	69 46	85 46	86 50	72 48	69 43	69 43	70 52	67 47	67 44	70 42	67 43	81 44	71 53	79 44	81 54	73 55	66 45	60 47	74 48	80 52	83 48	66.6 41.9	
DICKINSON FAA AIRPORT	MAX MIN	66 36	52 36	36 30	47 33	56 32	30 30	64 28	60 41	65 38	69 37	73 46	85 46	86 44	72 43	69 41	69 38	70 51	67 35	56 35	70 36	74 43	80 47	82 53	76 55	67 45	68 52	76 44	61 48	71 43	82 47	81 47	66.8 40.7	
DICKINSON EXP STATION	MAX MIN	60 33	67 33	53 30	38 30	49 35	57 26	56 30	65 35	61 27	68 35	75 42	89 45	87 55	77 43	67 36	68 43	73 44	69 44	61 43	58 34	70 42	78 44	80 52	83 54	69 41	50 45	56 35	60 43	73 47	87 47	38.6		
ORAKE	MAX MIN	61 33	61 29	40 26	45 31	56 36	54 26	57 31	63 37	58 37	66 35	72 44	87 45	89 52	71 43	70 36	72 43	63 47	63 39	71 44	61 39	70 44	72 46	83 54	70 56	61 44	70 50	72 46	76 53	68 48	79 47	67.0 42.1		
OUNN CENTER 2 SW	MAX MIN	55 32	62 35	47 31	38 32	51 36	57 33	57 28	65 43	57 40	64 34	65 37	75 42	90 54	75 45	67 47	70 48	67 38	72 51	69 40	72 39	69 40	74 40	80 50	83 53	72 40	58 49	66 57	77 44	64 48	81 54	65.8 42.4		
ECKMAN 2 SE	MAX MIN	54 31	57 31	44 23	50 26	59 31	58 24	64 21	58 41	58 35	53 29	64 34	72 40	89 46	83 46	67 43	70 39	61 40	71 43	60 36	70 42	73 44	81 52	83 55	76 41	55 48	66 48	71 53	60 42	73 47	80 55	38.8		
EDGELEY EXP FARM	MAX MIN	59 26	71 29	43 28	36 30	55 34	56 30	56 27	60 31	62 32	71 36	65 40	71 47	81 40	85 47	77 40	82 48	73 39	74 40	67 49	67 50	74 49	81 43	81 50	78 46	69 45	66 48	68 50	70 48	72 48	78 48	68.3 40.3		
EDMORE 1 N	MAX MIN	55 28	49 26	43 25	57 24	58 36	52 24	59 24	61 31	65 40	63 34	70 27	82 41	83 43	70 42	82 39	66 40	66 53	70 42	63 53	72 42	71 41	80 45	79 52	69 50	66 41	64 50	71 44	73 48	78 48	83 54	67.1 39.7		
ELLENOALE	MAX MIN	71 28	50 33	40 31	53 34	56 36	57 30	60 29	60 33	69 35	65 34	70 29	81 35	85 46	81 41	83 38	75 46	71 51	71 43	68 51	67 45	72 42	81 45	81 52	79 41	70 56	67 49	71 48	73 51	78 50	86 56	69.7 42.6		
ENOERLIN	MAX MIN	55 27	68 30	41 29	39 30	53 34	57 31	55 26	59 36	64 36	69 32																							

See reference notes following Station Index.

NORTH DAKOTA
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Continued

DAILY TEMPERATURES

NORTH DAKOTA
MAY 1960

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	66	55	40	54	55	57	62	57	65	62	70	84	86	73	70	70	66	75	63	70	71	85	84	77	64	65	71	64	71	78	84	68.2
	MIN	32	31	28	32	36	29	30	36	37	41	34	40	48	47	39	42	46	52	38	40	42	50	53	56	45	45	44	51	45	48	53	41.6
WISHEK	MAX	58	69	51	36	54	57	59		61	69	65	70	83	85	77		72	69	78	64	68	74	82	81	78	70	66	71	63	72	78	68.3
	MIN	21	32	27	28	34	23	23	27	24	31	19	39	48	40	33		38	53	45	40	32	43	51	56	56	48	42	45	46	40	50	37.8

EVAPORATION AND WIND

Station		Day of month																															Total for Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DEVILS LAKE WB CITY	EVAP	.10	.08	.02	.11	.18	.09	.15	.17	.18	.17	.22	.25	.33	.34	.25	.23	.29	-	-	.27	.29	.25	.34	.16	.02	.15	.12	.18	.15	.23	.21	B 5.89
	WIND	63	43	45	23	66	37	29	42	53	35	39	48	73	82	56	40	52	57	61	50	31	43	65	70	43	100	46	26	41	47	52	1558
DICKINSON EXP STATION (A)	EVAP	-	.20	.22	-	.06	.24	.16	.29	.03	.30	.29	.31	.45	-	.37	.13	-	.16	.25	.09	.29	.46	.25	.40	.17	-	.34	.28	.23	.25	.30	B 7.77
	WIND	130	100	175	75	85	85	60	60	190	50	130	140	170	180	110	70	170	120	120	140	90	250	5	265	100	120	130	150	140	70	70	3750
	MAX	61	45	63	38	41	66	37	70	65	71	74	77	83	75	70	77	72	73	66	63	80	75	89	89	82	58	74	79	73	81	82	69.3
	MIN	33	43	34	33	37	35	34	37	42	37	40	46	40	43	46	44	48	50	38	38	45	46	55	57	54	44	47	51	45	51	62	43.7
EDGELEY EXP FARM	EVAP	.22	.08	.16	-	.08	.13	.19	.30	.12	.22	.17	.28	.30	.41	.33	.47	.23	-	-	.17	.23	.24	.23	.43	-	-	-	.22	.10	.25	.31	B 7.28
	WIND	68	93	88	148	38	214	142	102	56	117	131	47	81	122	94	104	90	97	71	61	95	59	60	102	69	99	76	50	61	100	49	2784
MANDAN EXP STATION (A)	EVAP	.19	.13	.14	*	*	.20	.14	.22	.03	.20	.21	.18	.26	.28	.18	.28	.21	.10	.17	.20	.16	.26	.22	.30	.19	-	.15	.17	.09	.17	.22	B 5.43
	WIND	156	160	229	80	85	222	65	100	75	158	165	126	106	181	103	103	91	177	126	114	52	165	134	182	182	225	163	132	70	73	132	4132
RIVERDALE	EVAP	.15	.19	.12	.14	.12	.14	.24	.32	.12	.19	.26	.32	.33	.40	.38	.24	.31	.25	.24	.22	.30	.40	.45	.50	.28	.04	.17	.13	.10	.27	.19	7.51
	WIND	132	150	176	90	97	122	56	124	103	91	136	191	128	149	128	56	125	184	128	161	66	195	155	202	127	182	96	108	93	77	118	3944
	MAX	60	67	47	44	80	62	68	70	55	64	70	71	77	72	89	78	78	65	72	64	77	71	79	78	80	54	85	83	84	79	80	88.4
	MIN	33	35	31	31	36	32	33	39	39	51	33	40	43	44	45	46	44	44	43	40	39	45	49	56	54	44	47	48	51	50	54	42.5
WILLISTON EXP FARM	EVAP	.15	.20	.04	.13	.30	.02	.38	.24	.05	.51	.30	.52	.43	.44	.21	.32	.41	.11	.14	.18	.38	.38	.37	.28	.09	.23	.23	.29	.12	.28	.23	7.96
	WIND	142	97	71	52	94	38	66	140	171	64	69	86	219	247	83	47	124	99	223	93	129	112	126	112	46	*	191	139	44	54	101	3279
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

MONTHLY EXTREMES

Highest Temperature: 93° on the 12th at Four Stations

Lowest Temperature: 15° on the 3d at Arvilla State Park

Greatest Total Precipitation: 6.50 inches at Edgeley Exp Farm

Least Total Precipitation: 0.77 inch at Raub 10 SSW

Greatest one-day Precipitation: 3.30 inches on the 25th at Tuttle

Greatest Total Snowfall: 9.0 inches at Watauga S Dakota 8 N

Deepest Snow on Ground: 8 inches on the 3d at Shields

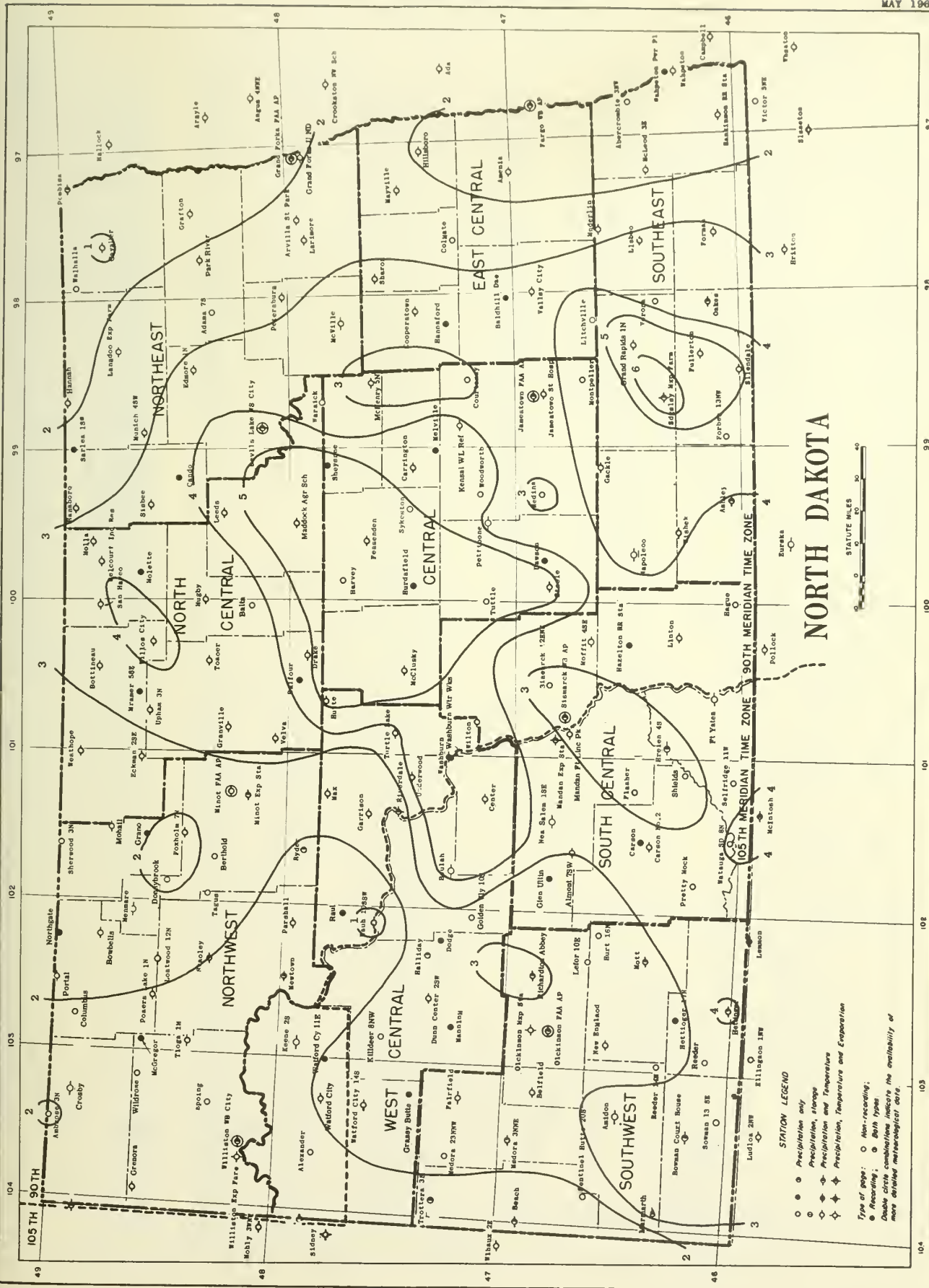
See reference notes following Station Index.

NORTH DAKOTA
MAY 1960

See reference notes following Station Index.

TOTAL PRECIPITATION

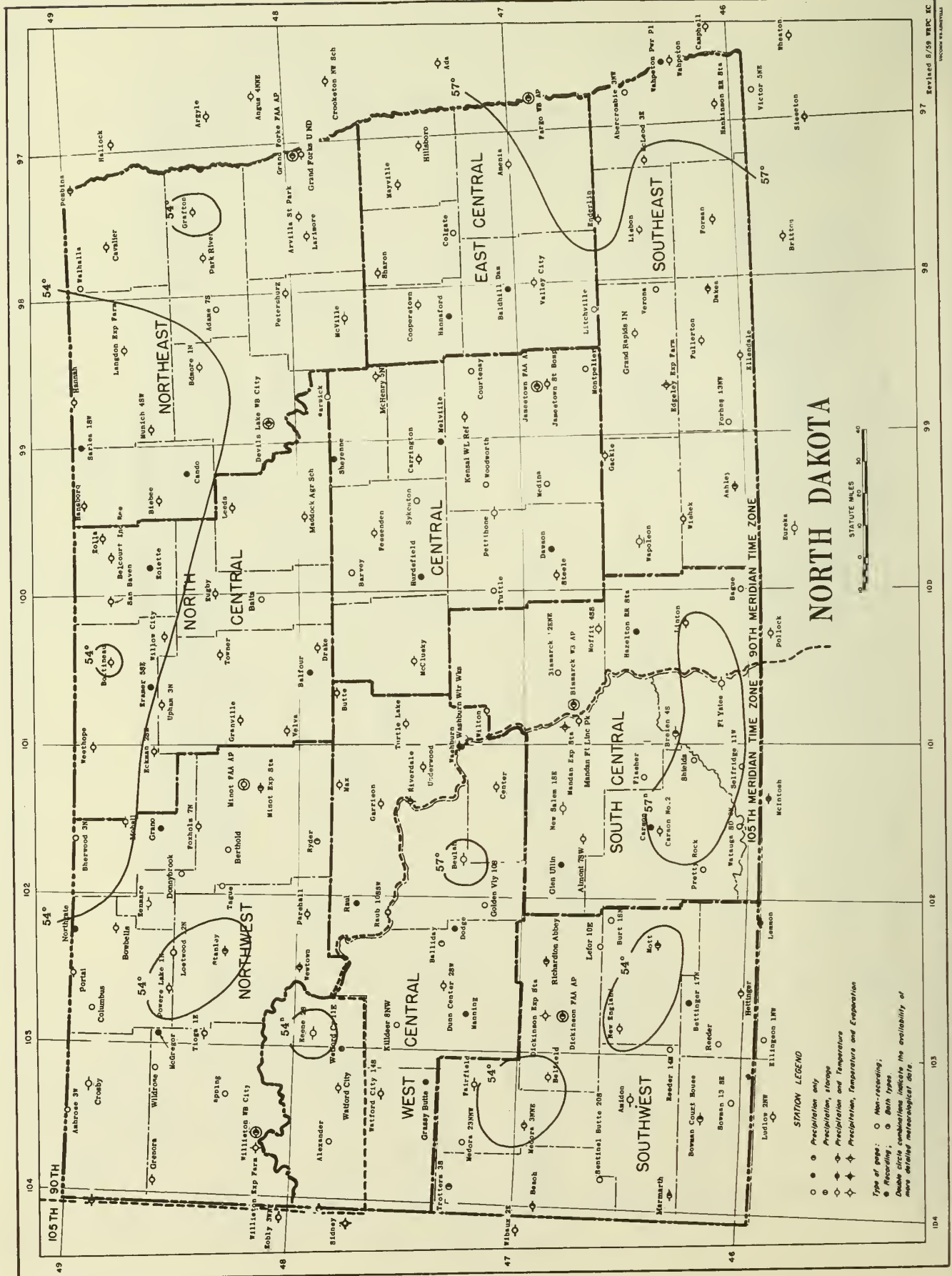
MAY 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

MAY 1960



STATION INDEX

MONTH DAOTA
MAY 1960

STATION	COUNTY	INDEX NO.	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES	OBSERVER	STATION	COUNTY	INDEX NO.	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES	OBSERVER
ABERCROMBIE	0005 RICHLAND	10 44 27	98 45	495	8A			HELMER AMUNDSEN	PETITBONE	7047 KIOGREN	8 47 07	99 31	1855	7P	7P	H ARTHUR J. DEKREY	
ADAMS 7 S	0022 WALSH	10 48 20	98 08	1594	AP			MYRON J. BATA	PORTAL	7201 BUNCE	12 49 00	102 33	1454	9A	9A	U S CUSTOMS OFFICE	
ALEXANDER	0096 MCKENZIE	15 47 30	105 38	2185	7P			ORAL J. DUAL	POWERS LAKE 1 N	7281 BUNCE	1 48 34	102 38	2205	7P	7P	HENRY J. CLARY	
ALMONT 7 SW	0156 MORTON	12 44 00	105 28	2027	7P			PHYLLIS ROCK	RAUB	7511 GHANT	1 44 10	101 51	2480	6P	6P	FRED LER	
AMROSE 3 N	0181 DIVIDE	12 44 00	105 28	2027	7P			RAUB	REEDER	7555 MCKEAN	8 47 44	102 04	1485	6P	6P	GEORGE A. HANSON	
AMENIA	0148 CASS	11 47 00	97 13	980	5S	55		H VIRGIL L. GEBKE	RAUB 10 SSW	7408 MCKEAN	8 47 54	102 06	1958	4P	4P	LYLE P. HOLIAN	
ANIDON	0209 SLOPE	1 46 29	105 19	2910	8A	8A		H FRED FLEENER	REEDER	7450 ADAMS	5 46 08	102 57	2210	6P	6P	A. V. KITTLESON	
ARVILLA STATE PARK	0282 MCINTOSH	10 47 56	97 50	960	6P	6P		VERNON C. THORN	REEDER 14 N	7452 SLOPE	1 46 19	102 57	2784	8A	8A	CHAS. W. MCKENZIE	
ASHLEY	0282 MCINTOSH	8 46 02	99 22	2001	5S	5S		U S CORPS OF ENGINEERS	REEDER 14 N	7550 STARK	4 46 53	102 14	2470	5P	5P	ASSUMPTION ABBEY	
BALDWIN DAM	0450 BARNES	11 47 02	98 02	1300	5S	5S			RIVENGALE	7555 MCKEAN	8 47 50	101 21	1950	8A	8A	U S CORPS OF ENGINEERS	
BALFOUR	0442 MCHEMRY	12 47 57	100 52	1615	6P	6P		C EKIL ROGSTAD	ROLLETTE	7655 ROLETTE	12 48 40	99 50	1630	6P	6P	C HENRY JOHNSON	
BALTA	0500 PIERCE	11 48 10	100 02	1590	6P	6P		ANTON SCHWALZ	ROLLA	7644 ROLETTE	12 48 40	99 50	1630	6P	6P	JOSEPH MOSEIT	
BEACH	0540 GOLDEN VALLEY	7 48 35	104 01	2824	6A	6A		H LUTHER P. HODGINS	ROBBY	7704 PIERCE	12 48 22	100 00	1540	6P	6P	FRANK NORMSTEIN	
BELCOURT INDIAN RES	0424 ROLETTE	9 48 50	94 45	1960	7P	7P		H TUNELLE MT INDIAN AGENCY	RIDER	7749 VAND	8 47 55	101 40	2108	6P	6P	S. C. SCHELLENBAUM	
BELFIELD	0439 STARK	4 44 55	105 11	2585	7P	7P		CARL INDERGARD	SAN HAVEN	7824 ROLETTE	12 48 50	100 02	2001	6P	6P	STANLEY DOWLING	
BERTHOLD	0724 WARD	12 48 19	101 44	2080	6P	6P		JOAN COX	SARLES 1 SW	7844 TOWNER	9 48 54	99 00	1602	6P	6P	C DAVID E. MADLAND	
BOLAN	0748 MERCER	6 47 16	101 47	1780	7P	7P		H MONT DAK UTILITIES CO	SELFIDGE 5 W	7952 SIOUX	1 44 02	101 06	2229	6P	6P	JOSEPH MOSEIT	
BOLSHIE	0784 TOWNER	2 48 57	98 12	1800	6P	6P		ROBERT J. KRICK	SENTINEL BUTTE 20 S	7978 GOLDEN VALLEY	7 46 37	105 49	2662	7P	7P	C DAVID E. MADLAND	
BISHARCK WB AIRPORT	0814 BURLEIGH	8 46 46	100 45	1650	NID	NID		C H U S WEATHER BUREAU	SHARON	7986 STEELE	10 47 36	97 54	1516	8P	8P	HUGH LYON	
BISHARCK 12 ENE	0827 BURLEIGH	8 46 51	100 33	1709	8A	8A		KFRY TRANSMITTER	SHERWOOD 3 N	8047 RENVILLE	12 49 00	101 38	1647	6P	6P	U S CUSTOMS OFFICE	
BOTTINEAU	0941 BOTTINEAU	12 48 50	100 27	1640	8A	8A		H N D SCHOOL OF FORESTRY	SHERWOOD 3 N	8057 EDDY	11 47 50	99 07	1480	6P	6P	C ALVIN W. KENNEDY	
BOWWELL	0941 BURKE	12 48 48	102 15	1955	8A	8A		H FELIX L. ADAMS	SHIELDS	8065 GRANT	1 46 14	101 07	1806	6P	6P	JAMES W. ROSENBOUGH	
BOWMAN COURT HOUSE	0945 BOWMAN	3 46 11	105 23	2980	5P	5P		C MICHAEL R. HIRSCH	SHREVEPORT	8162 MOUNTAIN	8 48 19	102 24	2240	7P	7P	C HENRY JOHNSON	
BOWMAN 15 E	0998 BOWMAN	3 46 02	105 18	2890	6P	6P		GEORGE HIRSCH	SHREVEPORT	8166 KIOGREN	8 46 51	99 55	1897	6P	6P	JOHN O. MELLERDSE	
BREWER	1052 SIOUX	1 46 24	100 36	1720	6P	6P		C ANNA C. PEDERSON	SHREVEPORT	8608 MCKEAN	5 47 28	99 24	1634	6P	6P	EDWARD SONAGS	
BUTTE	1225 MCKEAN	12 47 50	100 40	1885	8A	8A		C HAN KRITZKY	SHERWOOD 3 N	8627 MOUNTAIN	12 48 20	101 56	2179	6P	6P	W. R. ELLINGBOE	
CANON	1284 TOWNER	2 48 29	99 12	1180	6P	6P		HARRY E. HARRIS	SHERWOOD 3 N	8737 WILLIAMS	8 48 24	102 55	2245	8A	8A	SIGNAL OIL AND GAS	
CANBINGTON	1340 FOSTER	5 47 27	99 08	1586	8A	8A		C ANDREW C. HEINZ	SHERWOOD 3 N	8737 WILLIAMS	8 48 24	102 55	2245	8A	8A	SIGNAL OIL AND GAS	
CANBY	1370 GRANT	4 46 25	101 54	2310	8A	8A		H JACK STEWART	SHERWOOD 3 N	8812 GOLDEN VALLEY	13 47 17	105 54	2420	6P	6P	AUGUST B. REIDER	
CAVALIER	1455 PEMBINA	1 46 15	98 34	1925	6P	6P		H WILLIE HANSEN PICO	SHERWOOD 3 N	8840 MCKEAN	8 47 51	100 53	1889	6P	6P	STEEL OZONE PRESS	
CENTER	1434 OLIVER	8 47 07	101 18	2100	7P	7P		H FRED L. HEINZ	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
COLGATE	1488 STEELE	12 47 14	97 59	1180	6P	6P		H JOHN P. BURCHILL	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
COLUMBUS	1498 BURKE	12 48 34	102 47	1950	8A	8A		J. D. SUNDELL	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
COOPERSTOWN	1746 GRIGGS	11 47 28	98 07	1428	5P	5P		DELANO M. HANSON	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
COURTESY	1816 STUTSMAN	5 47 15	98 34	1925	6P	6P		G. M. HANAWALT	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
CROSSBY	1871 DIVIDE	12 48 34	105 18	1952	6P	6P		H JOHN ANDRIST	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
DANSON	2018 KIOGREN	8 46 52	99 45	1750	6P	6P		C ECCEL L. BILLINGTON	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
DEVILS LAKE WB CITY	2158 RANNEY	2 48 07	98 52	1471	NID	NID		C H U S WEATHER BUREAU	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
DICKINSON FAA AIRPORT	2183 STARK	4 46 47	102 48	2595	NID	NID		C H U S WEATHER BUREAU	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
DICKINSON EXP STATION	2188 STARK	4 46 53	102 48	2460	7A	7A		C DICKINSON EXP STATION	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
DODGE	2215 DUNN	6 47 18	102 12	1989	6P	6P		C THEODORE ISAK	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
DONNYBROOK	2242 WARD	12 48 51	101 55	1760	6P	6P		C BERNICE SONNBERG	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
ORANGE	2278 MCHEMRY	12 47 55	100 02	1654	8A	8A		ED. J. EVANS	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
DUNN CENTER 2 SW	2565 DUNN	5 47 20	102 48	1925	6P	6P		JOHN M. DINKINS	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
ECLEAN 2 SE	2472 BOTTINEAU	12 48 39	101 01	1495	7A	7A		JOHN M. ZURCHER	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
EDGELEY EXP FARM	2482 LA MOURE	5 46 20	98 42	1568	8A	8A		C H U S WEATHER BUREAU	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
EDMORE 1 N	2525 RANNEY	2 48 25	98 28	1520	6P	6P		H WILLIAM E. COLLINS	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
ELLERDALE	2403 DICKEY	5 46 00	98 51	1460	8P	8P		H MALCOLM D. GODDARD	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
ENDERLIN	2495 RANSON	11 46 37	97 36	1125	7A	7A		LEONARD PETERSON	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
EPFING	2755 WILLIAMS	8 48 07	105 21	2224	6P	6P		E. F. CARPENTER	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
FAIRFIELD	2809 BILLINGS	7 47 11	103 13	2750	6P	6P		H JOHN PETRYSHAK	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
FARGO WB AIRPORT	2859 CASS	10 46 54	96 48	895	NID	NID		C H U S WEATHER BUREAU	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
FESSENDEN	2948 WELLS	5 47 10	98 47	1492	6P	6P		H EMIL E. RUCKEL	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
FLASHER	3009 MORTON	1 46 27	101 14	1930	8A	8A		GEORGE M. SIKSTAD	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
FORBES 15 NW	3044 DICKEY	5 46 04	98 56	1988	6P	6P		THEODORE A. WIRCH	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
FORN	3117 SARGENT	10 46 06	97 39	1249	6P	6P		H ART WATERMAN	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
FORT YATES	3207 DICKEY	4 46 06	100 38	1640	8A	8A		H SOIL CONSERVATIONIST	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
FORTHOLM 7 N	3217 WARD	10 47 56	101 34	1950	6P	6P		C U S WILDLIFE REFUGE	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
FULLERTON	3287 DICKEY	5 46 10	98 25	1439	6P	6P		H F. O. ALIM	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GACILE	3309 LOGAN	5 46 38	99 08	1951	6P	6P		ALVIN HUMMEL	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GARRISON	3376 MCKEAN	8 47 58	101 25	1911	7A	7A		C ALBERT J. BEIERLE	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GLENN ULLIN	3496 MORTON	4 46 09	101 49	1925	6P	6P		C FREDERICK J. ANHORN	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GOLDEN VALLEY 10 S	3529 MERCER	6 47 10	102 05	1870	6P	6P		C ROBERT M. BACFELICH	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GRAND	3594 WALSH	10 48 25	97 25	827	5P	5P		C H GRAFTON STATE SCHOOL	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GRAND FORKS FAA AIRPORT	3616 GRAND FORKS	10 47 56	97 05	852	NID	NID		C U S FED AVIATION AGENCY	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GRAND FORKS STATE UNIVERSITY	3621 GRAND FORKS	10 47 55	97 05	830	NID	NID		C UNIVERSITY OF N D	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GRAND RAPIDS 1 N	3665 LA MOURE	12 48 37	101 55	1625	6P	6P		C ROBERT DECKER	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GRAND	3676 MCKENZIE	12 48 16	100 51	1504	7P	7P		C FRED ROBLE	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GRANVILLE	3686 MCHEMRY	7 47 21	102 14	2440	6P	6P		C LYNDON R. LANPHEAR	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GRASSY BUTTE	3696 MCKENZIE	12 48 16	100 51	1504	7P	7P		C LYNDON R. LANPHEAR	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
GRENDORA	3794 WILLIAMS	8 48 37	105 56	2131	6P	6P		C JOHN A. LADJA	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
HAGUE	3826 EMMONS	8 48 02	100 00	1878	6P	6P		C PETER KOCHER	SHERWOOD 3 N	8850 KIOGREN	8 47 08	100 00	1880	5P	5P	WALTER L. RENFROW	
HALLIDAY	3846 DUNN	6 47 21	102 20	2048	6P</												

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and annual snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table, and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, B, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Weighing Rain Gage Recording Station. Hourly precipitation values are processed for special purposes and are published later in "Hourly Precipitation Data" Bulletin.
- J "Supplemental Data" Table.
- B "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above and covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a wind shield.
- AR This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Monthly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

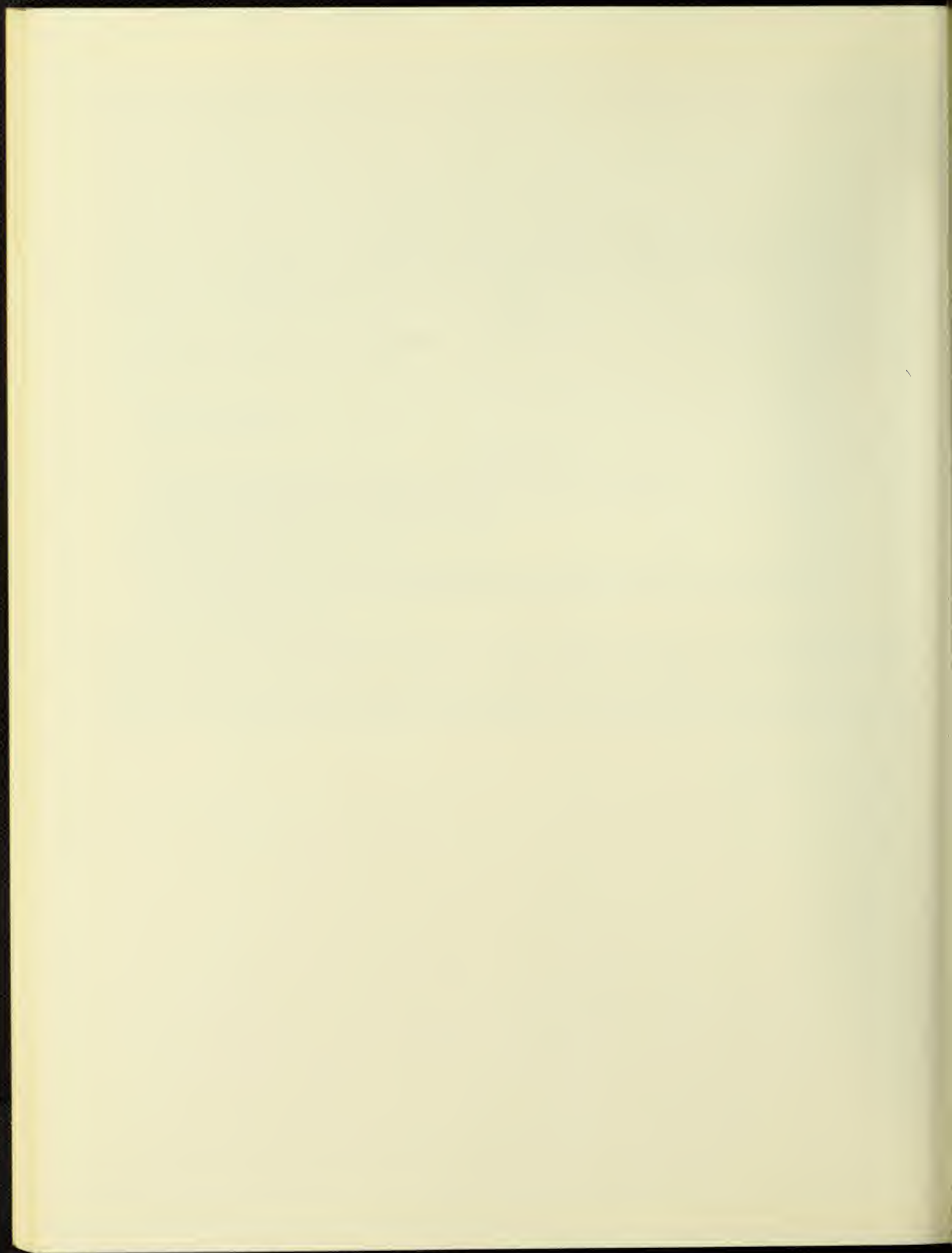
Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest issues of Local Climatological Data Annual, obtained as indicated above, price 15 cents.

USCOMM-WB-ASHEVILLE---7-1-60---825





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U. S. DEPARTMENT OF COMMERCE
FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
* F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

JUNE 1960
Volume 69 No. 6



ASHEVILLE: 1960

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NORTH DAKOTA
JUNE 1960

CLIMATOLOGICAL DATA

See reference notes following Station Index.

CLIMATOLOGICAL DATA

NORTH DAKOTA
JUNE 1960

Continued

Station	Temperature												Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Excess Above Normal	Wet Days	Date	Snow, Sleet			No. of Days						
										Max		Min						Total	Max Depth on Ground	Ice	Less Than 1/8"	1/8" to 1/4"	More Than 1/4"				
										31° or Above	32° or Above	33° or Above	34° or Above														
TURTLE LAKE	73.5	49.9	61.7		85	26+	39	5	118	0	0	0	0	4.41		1.61	9	.0	0		5	2	2				
UNDERWOOD & ESE	71.8	49.5	60.7		84	25	38	6	141	0	0	0	0	3.40		1.10	9	.0	0		5	2	1				
WASHBURN																											
WATFORD CITY	74.4	50.2	62.3	- 0.6	91	25	36	5	103	1	0	0	0	3.35	- .23	1.22	20	.0	0		9	2	1				
WATFORD CITY 14 S	77.1	49.9	63.5		91	26+	35	5	87	2	0	0	0	1.39		.31	20	.0	0		5	0	0				
WILTON	71.7	49.6M	60.7M		85	25	40	5	141	0	0	0	0	4.78		1.47	9	.0	0		8	4	2				
OIVISION			61.5	- 0.8										2.94	- .85			.0									
CENTRAL OIVISION																											
CARRINGTON	AM 73.3	47.4	60.4	- 2.1	85	28+	36	6	148	0	0	0	0	2.96	- .68	.90	10	.0	0		7	1	0				
FESSENOEN	74.0	49.1	61.6	- 1.2	87	26	40	6+	116	0	0	0	0	3.18	- .18	1.44	9	.0	0		6	2	1				
JAMESTOWN FAA AIRPORT	R// 73.4	50.1	61.8		87	27	40	5	109	0	0	0	0	1.71		.77	9	.0	0		5	1	0				
JAMESTOWN STATE HOSP																											
KENSAL WILDLIFE REFUGE	74.1	51.5	62.8	- 1.8	88	27	42	6+	88	0	0	0	0	1.89	- 1.43	.60	9	.0	0		7	1	0				
MC CLUSKY	75.2	48.3	61.8		87	27	35	6	113	0	0	0	0	2.09		.72	9	.0	0		6	1	0				
MC HENRY 5 N	73.4	49.7	61.6	- 1.2	88	25	40	6+	123	0	0	0	0	3.68	- .39	2.36	9	.0	0		5	2	1				
PETTIBONE	73.9	46.9	60.4		87	27	36	6	146	0	0	0	0	2.15		.86	9	.0	0		5	1	0				
STEELE	72.6	49.1	60.9	- 1.9	85	27	40	6+	134	0	0	0	0	2.95	- .06	.77	9	.0	0		7	3	0				
	73.9	50.5	62.2	- 0.8	85	27	40	6	103	0	0	0	0	1.96	- 1.92	.66	9	.0	0		7	1	0				
OIVISION			61.5	- 1.1										2.51	- 1.06			.0									
EAST CENTRAL OIVISION																											
AMENIA	76.4	51.4M	63.9M		88	27	35	6	59	0	0	0	0	2.63		.65	10	.0	0		6	2	0				
COOPERSTOWN	75.6	48.6M	62.1M		87	27	38	6	108	0	0	0	0	2.65	- .73	.81	9	.0	0		7	1	0				
FARGO WB AIRPORT	R// 75.4	51.2	63.3	- 1.3	89	26	37	6+	87	0	0	0	0	1.82	- 1.22	.62	9	.0	0		7	1	0				
HILLSBORO	76.1	51.4M	63.8M	- 0.9	88	26	38	5	73	0	0	0	0	3.09	- .68	1.10	27	.0	0		6	2	1				
MAYVILLE	75.1	50.1	62.6	- 2.1	88	25	39	6+	96	0	0	0	0	2.64	- .88	1.02	9	.0	0		6	2	1				
SHARON	74.2	50.4M	62.3M	- 0.4	84	27	36	5	103	0	0	0	0	2.87	- .49	.90	9	.0	0		6	2	0				
VALLEY CITY	73.7	49.9	61.8	- 3.3	85	26	36	5	111	0	0	0	0	2.05	- 1.25	.33	21+	.0	0		9	0	0				
DIVISION			62.8	- 1.4										2.54	- .91			.0									
SOUTHWEST OIVISION																											
AMIOON	AM 72.3	49.0	60.7		90	26	40	21+	148	1	0	0	0	3.32		.95	9	.0	0		5	2	0				
BEACH	AM 73.7	48.5	61.1		91	26	35	5	138	1	0	0	0	2.08		.94	21	.0	0		5	1	0				
BELFIELD	72.6	48.5	60.6		89	25	37	6+	144	0	0	0	0	3.52		.51	15	.0	0		12	2	0				
BOWMAN COURT HOUSE	73.1	50.9	62.0	- 0.2	90	25	41	21	109	1	0	0	0	4.54		1.60	8	.0	0		6	4	1				
DICKINSON FAA AIRPORT	R// 71.6	49.8	60.7		90	25	39	5	146	1	0	0	0	2.69		.65	20	.0	0		7	3	0				
DICKINSON EXP STATION	AM 72.5	47.9	60.2	- 1.2	89	26	36	6	157	0	0	0	0	3.06	- .92	1.06	16	.0	0		7	3	1				
FAIRFIELD	71.9	49.3	60.6		87	25	39	6	138	0	0	0	0	4.41		1.50	21	.0	0		7	3	1				
HETTINGER	72.2M	51.0M	61.6M	- 1.9	91	25			126	1	0	0	0	3.40	- .07	1.38	9	.0	0		6	2	2				
WARMARTH	AM 74.4M	49.5M	62.0M	- 1.6	92	26	38	10	119	1	0	0	0	2.95	- .64	1.08	16	.0	0		6	3	1				
MEDORA 3 NNE	74.6M	47.0M	61.8M		90	25	32	6+	112	1	0	2	0	7.14		2.63	21	.0	0		8	3	3				
MOTT	72.0	49.1	60.6	- 2.8	89	25	40	10	142	0	0	0	0	6.73	3.08	1.80	9	.0	0		6	5	3				
NEW ENGLAND	72.2	48.8	60.5	- 2.9	89	25	38	5	144	0	0	0	0	4.03	.03	1.02	21	.0	0		8	5	1				
RICHARDTON ABBEY																											
TROTTERS 3 S																											
DIVISION			61.0	- 1.5										3.99	.22			.0									
SOUTH CENTRAL DIVISION																											
ALMONT 7 SW	R// 72.5	50.7	61.6		87	25	42	5	120	0	0	0	0	5.05		2.74	9	.0	0		4	4	1				
BISMARCK WB AIRPORT	74.4	52.0	63.2	- 1.1	88	27+	39	6	83	0	0	0	0	3.40	.07	1.31	19	.0	0		8	1	1				
BREIEN	77.1	49.9M	63.5M		92	25	40	6+	78	2	0	0	0	1.86		.68	15	.0	0		6	1	0				
CARSON	AM 73.2	49.5	61.4	- 2.1	89	26	37	5	129	0	0	0	0	2.29	- 1.58	.85	16	.0	0		6	2	0				
FORT YATES	AM 76.3M	51.6M	64.0M	- 1.4	88	26+			75	0	0	0	0	1.68	- 1.90	.70	16	.0	0		5	1	0				
LINTON	76.5M	49.9M	63.2M	- 1.9	90	27	37	5	87	1	0	0	0	3.63	- .46	1.23	27	.0	0		8	2	1				
MANOAN EXP STATION	AM 72.9	51.0	62.0	- 1.9	87	26	41	6	119	0	0	0	0	6.05	2.27	3.96	20	.0	0		7	1	1				
MANDAN FT LINCOLN PARK	75.3	48.7	62.0		88	25	39	6	111	0	0	0	0	3.44		1.09	20	.0	0		9	2	1				
MOFFIT 4 SE	74.2M	48.2M	61.2M		87	27+	37	5	131	0	0	0	0	1.42		.47	9	.0	0		4	0	0				
NEW SALEM 1 SE	72.7	51.7	62.2	- 0.9	88	25	41	5	108	0	0	0	0	4.23	.69	1.23	9	.0	0		8	3	2				
DIVISION			62.4	- 1.6										3.31	- .58			.0									
SOUTHEAST OIVISION																											
ASHLEY	AM 72.0	49.0	60.5	- 2.8	86	26	37	5	144	0	0	0	0	2.58	- 1.25	.64	19	.0	0		7	2	0				
EDGELEY EXP FARM	73.4	49.6	61.5	- 2.4	87	1	41	6	118	0	0	0	0	3.61	- .15	1.14	27	.0	0		9	3	0				
ELLENDALE	74.2	52.1	63.2	- 1.8	88	26	43	5	83	0	0	0	0	3.30	- .55	.73	27	.0	0		9	2	1				
ENDERLIN	AM 75.1	50.9	63.0		88	27+	38	6+	97	0	0	0	0	4.22		1.20	27	.0	0		8	3	1				
FORMAN	76.3M	51.3	63.8M		90	26	40	5	66	1	0	0	0	4.16	- .24	1.30	20	.0	0		6	3	1				
FULLERTON	75.2	51.2	63.2	- 2.1	90	26	42	6	82	1	0	0	0	2.87	- 1.10	.90	28	.0	0		8	1	0				
GACKLE	73.3	51.3	62.3		86	27+	44	2	105	0	0	0	0	2.75		1.04	9	.0	0		7	1	1				
GRANO RAPIOS 1 N	75.7	50.1	62.9		88	26	38	5	86	0	0	0	0	2.79		.77	27	.0	0		9	1	0				
HANKINSON R R STATION	AM 74.4	52.7	63.6	- 2.3	88	27	42	6+	80	0	0	0	0	4.57	- .66	1.60	21	.0	0		9	4	1				
LISBON	77.6	50.6	64.1	- 0.9	88	26+	37	6	63	0	0	0	0	3.53	- .33	.82	20	.0	0		8	3	0				
MC LEOO 3 E	76.3	51.3	63.8	- 1.4	90	26	38	6	75	1	0	0	0	4.52	- 1.08	1.46	28	.0	0		7	4	2				
NAPOLEON	72.1	50.3	61.2	- 2.2	85	26	40	5	124	0	0	0	0	2.72	- 1.00	1.39	9	.0	0		4	1	1				
OAKES	74.3	52.3	63.3	- 1.8	88	26																					

DAILY PRECIPITATION

NORTH DAKOTA
JUNE 1960

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERCROMBIE	4.13	.20		.04						.17	.43					T	.12	T	T		.27	1.18	.15	.23	.29			.70	.35				
ADAMS 7 S	2.98	.10								2.16								.02	.03	.14		.10	.25					.10	.23	.20			
ALEXANDER 2 SW	5.05								.31	.75	2.74		.94				.84	.06	.04			.04	.89	.32	.06								
ALMONT 7 SW	3.50			T	.03		.03						.17				.84	.06	.04	.21		1.20	1.10	.26	.03		.30						
AMBROSE 3 N	3.50					.03																											
AMENIA	2.63	.32								.47	.65							.92	.07			.32	.59	.18				.08	.02				
AMION	3.32								.40	.95	.03							.08	.07			.04	.38	.08									
ARVILLA STATE PARK	2.81	.22						T		.76	.25							.09	.11			.45	.20	.50					.23				
ASHLEY	2.58	.23								.29	.01	T					.58	.09	T		.64	.02	.10	.03					.46				
BALTA	1.07	.07		.02	.11					.06	.38						.03		.06			.07	.31	.06	.03								
BEACH	2.08				.06	T				.17					.09			.32	.07			.02	.94	.16	.25								
BELCOURT INDIAN RES	1.33									.46	.17				.02	.02		.07	.06			.04	.34	.03	.14								
BELFIELD	3.52			.03		.08	.07		.36	.26	.50		.33	.24	.06	.51	.12				T	.38	.27	.06	.09		.02	.10	.02				
BERTHOLD	1.21	.03								.31												.12	.33	.23									
BEULAH	2.82			.04						.10	.67						.09	.17				1.10	.37	T	.05								
815BEE	.92									.18	.22							.09				.15	.04	.05				.16	.42	.03			
BISMARCK WB AIRPORT	3.40		T	.03	.03					.12	.39						T	.26	.05	.11		1.31	.16	.42	.03	.07							
BISMARCK 12 ENE	3.48			T	.01					.22	.01	.19	T					.45				1.96	.19							.09			
BOTTINEAU	.98		T							.12	.01							.08	.05			.48	T	.14				.04					
BOWBELLS	1.22									.22	.01						.04					.13	.72	.12	.17								
BOWMAN COURT HOUSE	4.54				.02	.01	.96		1.60					.54			.75	.06				.08	.41		.12								
BOWMAN 13 SE	5.52				.02			.24	.42	2.86			.05	.39			.77	.04	.08			.14	.16	.10	.12								
BREIEN	1.86				.14		T			.34	T						.77	.04	.08			.14	.16	.10	.12								
BUTTE	2.24	.03								.16	.48	.03					.16	.48	.03			.06	.09	.26	T	.09		.01	.41	.35			
CARRINGTON	2.96	.30		.06						.32	.90						.35	.02				.26	.60	.20	.09								
CARSON	2.29	.13		.03	.14	T				.52	.18				.01	.03	.85	.08				.03	.25	.08						.09	T		
CAVALIER	2.18	.03	T					.02	T	2.12							.19	.07	.05			T	.42	.10	.51						.35		
CENTER	3.62			.05						.21							.12					.32	.85	.20	.06								
COLGATE	3.94	1.03								.07		.80	.05				.28	.02	.48			.08	.42	.18	.51			.02	.07	.02	T		
COLUMBUS	1.36	.01		.01																		.27	.55	.22	.21								
COOPERSTOWN	2.65	.36						.03	.03	.81	.17				.03	.23	.02	.09				.04	.33		.12					.42			
COURTENAY	2.76		.77					.02	T	.95	.15						.37					.32	.85	.20	.06			.11			.35		
CROSBY	2.21			.06	.06					1.83			.55				.07		.04			.05	.13	.03	.03				.16		T		
DEVILS LAKE WB CITY	2.34									.28	.53	.21	.17				.09	.03			T	.65	T	.12	.03								
DICKINSON FAA AIRPORT	2.69		T	T	.08																												
DICKINSON EXP STATION	3.06	.02		.03	.10				.81	.07	.05		.07				1.06	.11	.03			T	.62	T	.12				.04	.02			
DOONBROOK	1.22								.05		.61	.10		.06				.67	T			.24	.32	.27						.33	.02		
ORAKE	3.11	.04							.73	.07	.08		.42				.20	.35				.21	.75	T	.20					.05			
OUNN CENTER 2 SW	3.11	.04			.05	T			.73	.07	.08		.42				.20	.35				.21	.75	T	.20					.05			
ECKMAN 2 SE	.76								.17									.06				.45		.08									
EDGELEY EXP FARM	3.61	.17		.17	.08					.15	.59						.38		T			.11	.24	.06						1.14	.52		
EDMORE 1 N	2.36	.09								1.50								.04	.03			.02	.45	.05							.16	.02	
ELLENDALE	3.30	.03			.15				.61	.28			.17	.30			.30		.03	.09		.02	.45	.05						.73	.31		
ENDERLIN	4.22	.02		.09				.05	.20	.82	T		.40				.46	.02				.16	.70	.10	.33	.03				1.20	.04		
EPPING	3.08			.21						.20	.82	T		.40			.46	.02				.90	.94	.49	T						.03		
FAIRFIELD	4.41			.05	.08					.33			.08	.07			.75	.23				.78	1.50	.26	.07					.21			
FARGO WB AIRPORT	1.82		T							.62	.37						.02	.02	T			.22	.32	.16	.16				.26	T			
FESSENDEN	3.18									1.44							.43	.14	.05			.06	.13	T	.10								
FLASHER	1.85	.12			.06					.20							.81					.18	.33		.11								
FORBES 13 NW	4.80	.09			.11		.03			.48	.02						.23	.25				.23	.36	.21						1.88	.91		
FORMAN	4.16			.06	.02					.93	.08						.41					1.30	.57	.09						.45	.25		
FORT YATES	1.68		T		.10					.22	.27						.70	.07				.20	.09	.03									
FOXHOLM 7 N	1.10									.32												.05	.35	.12	.03					.09	.90		
FULLERTON	2.87	.02		.21						.38	.27						.18	.27		.07		.05	.35	.12	.03								
GACKLE	2.75	.29		.46						1.04	.07						.04	.37				.12	.21	.10	.05								
GARRISON	2.10				.34				.10	.25	.05						.18	.24	.35			.69	.43	T	T								
GOLDEN VALLEY 10 S	2.32			.06						.33	.37						.18	.26	.35			T	.44	.03	.13						.17		
GRATON	3.64		.27							1.44	.09						.02			.14	.25	T	.25	.23	.64						.31	.02	
GRAND FORKS FAA AIRPORT	2.57									1.07	.19						T			.08	.03	T	.15	.39	.39					.25	.02		
GRAND FORKS UNIVERSITY	2.98	.22								.94	.37						T			.02	.06	T	.33	.18	.75						.11		
GRAND RAPIDS 1 N	2.79	.14			.10					.48	.41						T	.17	T			.04	.27	.20	.07	.02				.01	.77	.12	
GRANVILLE	1.15									.36	.23							.05	.07			.07	.27	.03	T						.13		
GRENORA	2.84			.20	.12					.40	.05		.15				.42	.16	.07		.94	.03	.08										
HAGUE	2.66	.36		.12						.29	.21	T	.05				.17	.07	.24			1.25	.67	.08						.70			
HALLIOAY	3.73																																
HANKINSON R R STATION	4.57	.20		T	.02					.12	.10	.54					.02	.26	T	.05		.06	.21	.05	.05					.50	.47		

DAILY PRECIPITATION

Continued

NORTH DAKOTA
JUNE 1960

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
POWERS LAKE 1 N	1.44																																
PRETTY ROCK	1.77	T		.08	.02	T	T	T	.03	.25	T		.02		T	.85	.10	.10			.40	.68	.27	.02						.04			
RAUD 10 SSW	1.91																				.30		.02										
REEDER	1.42				.06	T			.43	2.49					.30	.82	.92	.10	.12		.16	.69	.09						.15				
REEDER 14 N	1.63			.10					.50	1.27	.08				.03		.02	.98	.06		.05	.67		.05							.03		
RICHARDSON ABBEY																																	
RIVERDALE	// 2.19	.01		.34					.03	.23	.10						.27	.06			.80	.43	T	.12	T					.20			
ROLLA	1.34								.55	.26						.01			.05	.06		.07	.22	.12	.05						.05		
RUGBY	.88	.05							.07	.14											.07	.38	.06	.02						.07			
RYDER	1.99				.12	T			.67	.30							.07				.25	.18	T	.09					.11				
SAN HAVEN	1.98								.31	.60					.04						.08	.77	.08	.10					T				
SELFLEDGE 5 W	1.66				.35					.50						.70	.11																
SENTINEL BUTTE 20 S	4.03							.30	.35	.52			.08			1.00	.10	.10			.45	.88	.25						.45				
SHARON	2.87	.67								.90	.15					.05	.07	.02			.10	.45								.46			
SHERWOOD 1 N	1.11								.07				.03	.22					.15		.05	.28	.09	.07				.07	.08				
SHIELDS	1.85	T		.16					T	.17						.68	.12	.07		.21	.07	.28						.09					
STANLEY	1.61			.11						.04						.01	.23	.14			.18	.61	.40	.09				.02	.07	T	T		
STEELE	1.96	.14		.14				.03	.09	.66	.06		.03			.07	.42			.10	.21	.16	T										
SYKESTON	3.32	.49						.07	.57	1.12	.06		.19								.57	.22								.04		.43	
TAGUS	1.66			.07														.10			.01	.48	.08	.05									
TIOGA 1 E	1.93			.13					.17							T		.09			.46	.70	.20	.17					.01				
TOWNER	.50								.10	.34											.03	.01		.02									
TROTTERS 1 S																	.05	.02	T														
TURTLE LAKE	4.41	.07		.23					.05	1.61	T						.05	.02	T												1.48		
TUTTLE	2.98	.36		.40				.02		.73	.05						.12	.27	T		.46	.41	.03	.05							.84		
UNDERWOOD 4 ESE	3.40			.29					.04	1.10						.06	.03	.04			.79	.48	.04	.05						.48			
UPHAM 3 N	.93								.40	.04									.04		.06	.23	.07	.04									
VALLEY CITY	2.05	.10	T				T		.33	.25						.06	.10	.05	.04		.21	.33	.12	.25				T	.30				
VELVA	1.62	.30	T						.05	.30											.50	.39	.01	.02				T		.05			
VERONA	3.13	.03							.82	.11	T	.23									.81	.19								.51	.43		
WAMPETON	5.00	.46	.06						.34	.54					T		.12				1.28	.81	.26	.34				.28	.51				
WALHALLA	2.31	.08							.18						.05		.10				.04	.32	.22	1.28						.04			
WARWICK	2.58	.08							1.15	.04					.31		.11					.26								.63			
WASHBURN																																	
WATGUA 5 OAKOTA 8 N	1.27			T												.70	.18	.11															
WATFORD CITY	3.35			.05					.30				.32				.15	.18			1.22	.68	.15	.10					.20				
WATFORD CITY 1A S	1.39			.02					.07			T	.05	.09		.17	.15	.08			.31		.25	.06									
WESTHOPE	.43																	.02			.04	.26	T	.04				.07		.14			
WILOROSE	2.30			.23														.07	.06														
WILLISTON WB CITY	5.22		.08	.17			T					2.08			T		.12	T		1.56	.38	.35	.48				T	.06	T				
WILLISTON EXP FARM	2.55			.25		T							.15			T	.18				.83	.63	.51										
WILLOW CITY	1.51						T		.32	.38						.07			.24		.02	.39	.08	.07						T			
WILTON	4.78			.13					.06	1.47							.22		.22		.35	.07	.02								1.03		
WISHEX	2.72	.10		T	.08	.03											.60	.02			.52	.60	.10	.04						1.35			
WOODWORTH	2.65		.19						.03	.87	.12					.42	.22				.10	.12									.58		

See reference notes following Station Index.

MONTHLY AND SEASONAL SNOWFALL

Season of 1959-1960

NORTH DAKOTA

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
ABERCROMBIE				T	4.2	.1	8.1	.9	2.9	8.1	1.0		25.3
ADAMS 7 S	-	-	-	15.0	7.8	T	13.5	T	4.0	14.0	-		54.3
ALEXANDER 2 SW													
ALMONT 7 SW			T	2.0	10.4	4.6	4.6	2.4	5.6	7.5	4.0		41.1
AMBROSE 3 N	-			-									-
AMENIA				T	8.0	T	5.0	1.0	4.0	8.0	T		26.0
AMIOON			-	T	-	4.0	5.5	6.0	-	-	5.0		-
ARVILLA STATE PARK				7.0	8.0	T	12.0	7.0	4.0	11.5			49.5
ASHLEY				1.5	8.0	1.0	5.0	4.0	7.0	4.0	T		31.5
BALTA				-									-
BEACH			T	3.0	10.2	.5	6.0	3.0	1.5	1.0	T		25.2
BELCOURT INDIAN RES				16.6	8.9	2.3	6.6	2.3	6.9	2.0			45.6
BELFIELO				-	-								-
BERTHOLO				10.0	17.0	-	7.8	-	-	5.0	.2		-
BEULAH				1.0						8.0			-
BISBEE				11.0	5.8	2.3	15.8	1.4	-	3.0			-
BISMARCK WB AIRPORT			T	3.4	15.5	4.9	6.0	2.2	11.7	2.2	2.8		48.7
BISMARCK 12 ENE				-	-								-
BOTTINEAU				19.3	10.2	2.4	6.9	1.1	5.8	4.0			49.7
BOWBELLS				16.0	12.5	2.9	9.0	.4	3.5	4.7			49.0
BOWMAN COURT HOUSE			T	T	-	-	-	-	-	-	7.0		-
BOWMAN 13 SE	-		T	.8	6.3	2.9	4.1	5.2	5.3	.3	3.5		-
BREIEN				-	-	-	-	-	-	-	7.0		-
BURT 16 N			T	.8	-	-	-	-	-	-	-		-
BUTTE				-	-	-	-	-	-	-	-		-
CARRINGTON				12.0	11.5	3.0	8.5	4.2	5.0	4.5	.7		49.4
CARSON			T	3.0	-	-	-	-	-	-	-		-
CAVALIER			T	12.5	6.1	2.3	7.4	1.1	3.0	16.0			48.4
CENTER				4.0	15.6	-	6.0	1.0	5.5	3.0			-
COLGATE				-	-	-	-	3.0	-	-	1.0		-
COLUMBUS			T	8.5	8.7	5.0	5.5	1.0	1.2	3.0			32.9
COOPERSTOWN				6.8	8.0	.1	7.6	4.3	4.0	5.5	T		36.3
COURTENAY				4.0	7.0	T	8.0	1.0	1.5	2.0	T		23.5
CROSBY				12.2	11.7	6.3	6.7	.8	.6	2.0			40.3
DEVILS LAKE WB CITY			T	11.4	10.1	3.4	11.2	2.3	7.6	7.3	1.0		54.3
DICKINSON FAA AIRPORT			1.2	2.3	5.7	1.6	2.8	.5	5.6	.7	.5		20.9
DICKINSON EXP STATION				1.0	-	-	-	-	-	-	-		-
DOONNBROOK				-	-	-	-	-	-	-	-		-
DRAKE				-	-	-	-	-	-	-	-		-
DUNN CENTER 2 SW			.5	3.5	7.1	4.0	3.5	2.0	3.3	4.0			27.9
ECKMAN 2 SE				-	-	-	-	T	-	-	T		-
EDGELEY EXP FARM				1.0	10.0	T	3.0	1.0	4.0	6.0	-		25.0
EDMORE 1 N				-	-	-	-	-	-	-	-		-
ELLENOALE				T	13.0	2.5	6.5	.9	6.8	9.5	T		39.2
ENOERLIN				-	5.5	-	15.0	2.0	-	12.0	-		-
EPPING			T	4.0	9.0	-	5.0	3.0	1.0	-	-		-
FAIRFIELD			T	3.0	9.0	2.0	8.0	3.0	2.0	-	-		27.0
FARGO WB AIRPORT				.7	3.6	1.5	4.2	1.2	2.4	7.9	.2		23.7
FESSENOEN				11.8	12.1	-	9.4	-	6.1	2.3			-
FLASHER				2.0	-	4.5	8.0	1.5	9.0	-	7.0		-
FORBES 13 NW				2.0	9.0	4.0	7.0	2.5	6.0	3.0	1.0		34.5
FORMAN				T	-	-	-	-	-	-	-		-
FORT YATES				-	6.5	5.6	3.5	-	5.4	T	6.5		-
FOXHOLM 7 N				11.0	18.0	3.0	11.0	T	-	3.0	-		-
FULLERTON				-	-	-	-	-	-	6.0	.2		-
GACKLE				-	13.3	.7	5.6	1.5	5.6	5.5	T		-
GARRISON				-	-	8.4	-	-	-	-	-		-
GOLDEN VALLEY 10 S				-	-	5.0	-	1.8	3.3	2.0	-		-
GRAFTON				-	-	-	12.6	-	-	15.2	-		-
GRAND FORKS FAA AIRPORT				2.4	11.1	.1	9.7	4.4	1.9	7.0	T		36.5
GRAND FORKS UNIVERSITY				3.8	9.9	.6	8.1	4.7	2.2	13.5	T		42.5
GRAND RAPIDS 1 N				2.0	-	.5	6.0	2.0	3.5	7.0	2.0		-
GRANDVILLE				9.0	13.0	T	9.0	T	4.5	3.4	T		38.0
GRENORA				12.0	10.5	2.0	7.0	2.0	1.0	-	-		-
HAGUE			T	3.7	10.0	2.7	2.6	3.3	8.6	4.2	2.0		37.1
HALLIOAY				-	-	-	-	-	-	-	-		-
HANKINSON R R STATION				T	-	-	-	-	-	-	T		-
HANNAH				18.2	4.6	2.4	2.9	.8	1.5	2.4	-		32.8
HANSBORO				17.6	-	-	-	-	-	-	-		-
HARVEY				-	12.6	1.0	10.5	-	2.5	4.0	-		-
HETTINGER			T	T	-	-	-	-	-	-	6.0		-
HILLSBORO				T	5.5	.5	5.0	3.0	2.5	7.5	1.0		25.0
JAMESTOWN FAA AIRPORT				5.2	8.7	1.6	3.4	4.1	2.4	8.2	T		33.6
JAMESTOWN STATE HOSP				-	7.0	.7	8.0	2.2	-	8.2	T		-
KEENE 2 S			T	7.0	16.7	6.2	6.3	4.5	2.8	6.0	-		49.5
KENMARE				-	-	-	-	-	-	-	-		-
KENSAL WILDLIFE REFUGE				3.0	8.0	1.5	6.0	1.5	2.5	4.0	T		26.5
KILLOER 8 NW				6.0	25.0	3.0	4.5	1.0	4.5	4.0	-		48.0
LANGDON EXP FARM			T	23.0	6.2	3.0	7.8	1.4	2.9	10.2	.2		54.7
LARIMORE				5.5	-	-	-	-	-	-	-		-
LEEOS				11.0	6.0	2.8	15.7	.5	3.2	2.0	-		41.2
LEFOR 10 E			T	-	-	1.0	-	-	-	-	-		-
LINTON				2.5	9.0	1.6	3.0	.6	10.3	4.0	6.0		37.0
LISBON				-	3.1	.5	6.7	1.5	3.9	8.0	1.0		-
LITCHVILLE				4.0	7.0	T	6.0	5.0	6.0	7.0	1.0		36.0
LOSTWOOD 12 N				6.7	16.2	6.0	8.5	2.0	3.3	5.0	-		47.7
MACDOCK AGRIC SCHOOL				-	-	-	-	-	-	-	-		-
MANOAN EXP STATION				3.6	13.8	8.4	7.6	.3	10.9	4.0	3.0		51.6
MANOAN FT LINCOLN PARK				1.0	-	8.0	8.0	1.0	6.0	4.0	2.0		-
MARMARTH			T	1.0	2.5	T	4.0	2.4	3.2	-	1.5		-
MAX				6.7	18.0	2.1	9.3	2.9	6.6	4.0	-		49.6
MAYVILLE				1.4	6.8	1.0	7.3	3.1	1.5	5.0	.5		26.6
MC CLUSKY			T	8.5	9.0	.8	5.3	.8	2.2	6.2	T		32.8
MC HENRY 5 N				6.0	5.4	1.4	6.0	1.3	3.4	4.4	.7		28.6
MC LEO 3 E				-	-	-	5.5	-	-	13.0	T		-

See reference notes following Station Index.

MONTHLY AND SEASONAL SNOWFALL

Season of 1939-1940

NORTH DAKOTA

Continued

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
MC VILLE				6.0	6.0	T	8.5	4.0	4.0	7.0	T		35.5
MEDINA				-	-	-	-	-	-	-	-	-	-
MEDORA 3 NNE				-	6.0	2.0	6.0	4.0	3.5	-	-	-	-
MEDORA 22 NNW				-	-	-	-	-	-	-	-	-	-
MINOT FAA AIRPORT			T	10.1	15.9	1.2	10.5	.5	3.3	4.6	.2		46.3
MINOT EXP STATION				-	19.1	2.2	10.5	1.0	5.0	5.0	T		-
MOFFIT 4 SE			T	-	6.2	1.6	3.4	T	3.5	5.1	3.0		-
MOHALL				-	10.1	3.0	7.5	T	1.0	6.0	-		-
MONTPELIER				2.6	9.4	.3	3.8	1.5	5.1	6.5	1.5		30.7
MOTT				T	-	1.0	-	-	-	-	-		-
MUNICH 4 SW				8.0	-	-	7.6	2.0	3.3	-	-		-
NAPOLION				3.0	9.0	T	3.0	2.5	4.0	5.0	T		26.5
NEW ENGLAND				T	-	-	2.0	-	-	-	-		-
NEW SALEM 1 SE				4.0	10.5	5.5	5.0	2.5	10.0	5.0	3.0		45.5
NEWTOWN				4.0	14.0	2.0	6.0	2.0	2.0	2.0	-		32.0
OAKES				-	-	-	-	-	-	-	-		-
PARK RIVER				12.0	7.0	2.3	13.0	3.3	2.1	-	T		-
PARSHALL				5.0	10.5	3.0	3.5	1.0	2.1	3.0	-		-
PENNINGTON				-	3.2	1.0	3.3	2.5	2.7	-	-		28.1
PETERSBURG				8.8	6.0	1.3	6.0	1.9	1.3	7.3	.4		33.0
PETTIBONE				-	-	-	-	-	-	-	-		-
PORTAL			T	9.0	12.3	4.8	5.0	-	-	8.0	-		-
POWERS LAKE 1 N			T	-	-	6.0	13.5	T	2.2	3.0	-		-
PRETTY ROCK			T	1.5	9.0	1.0	4.0	1.0	7.0	2.0	8.0		33.5
RAUB 10 SSW				-	-	-	-	-	-	-	-		-
REEDER				T	-	-	-	-	-	-	-		-
REEDER 14 N			T	.5	2.0	T	4.5	T	6.0	-	4.0		-
RICHAROTON ABBEY			.4	2.4	7.4	2.4	3.7	4.8	1.9	3.2	.5		-
RIVERDALE				3.0	7.5	2.5	5.0	.5	2.0	5.0	-		25.5
ROLLA				20.1	8.4	3.0	8.5	1.0	5.7	5.9	-		52.6
RUGBY				15.2	15.7	.7	13.0	1.0	5.3	T	T		50.9
RYDER				-	-	-	-	-	-	-	-		-
SAN HAVEN				14.9	6.7	1.1	6.2	.4	2.7	2.8	-		34.8
SELFIDGE 5 W				-	-	-	-	-	-	-	-		-
SENTINEL BUTTE 20 S			T	-	-	T	5.0	2.5	4.5	T	1.5		-
SHARON				5.0	6.5	-	8.5	3.0	3.0	9.0	T		-
SHERWOOD 3 N				14.1	11.8	3.7	5.4	1.1	-	7.5	-		-
SHIELDS			T	-	-	-	-	-	-	-	-		-
STANLEY				-	12.1	4.4	7.3	1.7	-	4.0	-		-
STEELE				11.0	20.5	5.0	10.5	T	6.5	15.5	3.0		72.0
SYKESTON			T	6.0	10.0	1.5	7.8	1.0	2.0	-	T		-
TAGUS				-	16.0	4.2	14.8	1.2	3.5	4.0	-		-
TIOGA 1 E			T	-	-	3.5	8.3	2.4	1.7	4.0	-		-
TOWNER				14.0	16.0	-	11.0	T	6.0	6.0	-		-
TROTTERS 6 SE			-	-	-	-	-	-	-	-	-		-
TROTTERS 3 S				-	-	-	-	-	-	-	-		-
TURTLE LAKE			.6	3.2	5.7	1.2	4.0	3.1	3.6	.1	-		-
TUTTLE				6.0	-	-	-	-	-	-	-		-
UNDERWOOD 4 ESE				7.7	11.3	.9	6.0	.3	6.4	3.0	.8		36.4
UPHAM 3 N				-	-	-	6.0	-	-	-	-		-
VALLEY CITY				17.3	15.1	1.0	13.2	.9	4.7	2.0	-		54.2
VELVA				-	5.7	.3	6.0	-	2.1	6.1	T		-
VERONA				12.8	16.2	1.4	11.8	1.6	3.6	5.0	T		52.4
WAHPETON				-	-	-	-	-	-	-	-		-
WALHALLA				-	-	-	9.5	1.8	2.0	10.0	T		-
WARWICK				-	-	-	11.0	-	-	-	-		-
WASHBURN				5.0	5.0	T	9.5	.5	2.5	-	-		-
WATAUGA 5 OAKOTA 8 N				-	-	-	-	-	-	-	-		-
WATFORD CITY				2.0	-	1.5	5.0	2.0	16.0	3.0	9.0		-
WATFORD CITY 14 S				6.0	12.5	4.5	-	-	3.0	4.0	-		-
WESTHOPE				3.5	15.5	-	6.7	2.0	4.5	1.0	-		-
WILOROSE				13.0	10.5	1.0	11.0	T	-	3.0	T		-
WILLISTON WB CITY				-	11.5	6.0	-	-	-	5.0	-		-
WILLISTON EXP FARM				10.0	14.7	3.3	6.0	3.4	1.8	4.2	-		43.4
WILLOW CITY				-	-	-	-	-	-	-	-		-
WILSON				9.5	-	.4	8.5	T	6.3	-	T		-
WISHEK				2.0	14.5	1.0	5.5	.5	9.5	4.0	-		37.0
WOODWORTH				-	-	1.7	4.5	-	-	4.3	3.0		-

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
JUNE 1960

Station		Day Of Month																																Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	MAX MIN	73 52	72 50	69 47	63 49	68 42	70 43	81 53	72 59	62 52	68 44	71 49	73 56	75 56	73 56	67 54	64 47	76 51	73 46	75 47	71 52	66 45	64 45	70 50	76 50	87 56	84 64	84 50	78 57	74 50	75 49	72.5 50.7		
AMENIA	MAX MIN	76 52	79 52	72 56	70 57	68 43	72 35	80 47	80 65	72 58	68 57	75 52	81 48	80 49	81 52	76 51	69 49	75 48	78 51	82 50	76 44	72 52	74 49	72 51	77 50	83 58	85 60	88 51	81 58	77 55	73 44	76.1 51.1		
AMIDON	MAX MIN	78 47	78 49	76 47	65 47	64 45	62 40	72 51	84 50	72 51	60 43	64 46	67 49	71 48	72 50	72 51	56 48	67 50	71 51	76 46	78 53	78 44	65 40	64 50	66 59	80 41	90 54	78 57	83 51	82 46	78 48	72.3 49.0		
ARVILLA STATE PARK	MAX MIN	79 54	75 41	73 55	67 54	62 34	72 32	77 44	79 55	65 57	75 44	79 54	84 57	84 54	79 52	70 51	72 49	84 45	78 46	83 40	68 59	72 40	76 40	72 51	82 41	84 54	90 57	79 46	79 53	79 53	76.4 48.5			
ASHLEY	MAX MIN	75 52	77 43	70 48	64 50	67 37	69 44	79 53	72 53	65 55	63 52	71 54	74 45	78 45	78 54	69 46	62 45	70 48	77 45	68 46	62 47	69 57	77 47	72 47	67 42	74 53	81 59	86 52	83 55	73 49	69 47	72.0 49.0		
BEACH	MAX MIN	79 46	75 52	72 41	70 48	58 35	70 36	72 53	84 55	75 51	67 43	68 54	73 52	70 43	80 54	75 51	62 49	70 45	75 46	76 40	79 41	80 46	64 48	56 44	70 50	81 57	91 57	78 46	85 53	81 46	74 47	73.7 48.5		
BELCOURT INDIAN RES	MAX MIN	76 41	65 40	65 50	63 47	59 34	65 32	75 48	71 57	69 54	70 43	73 44	73 41	75 44	65 41	64 48	74 42	77 49	73 42	64 48	61 45	69 40	74 40	84 50	84 50	81 51	80 51	69 48	65 45	70.9 46.5				
BELFIELD	MAX MIN	76 46	71 53	72 50	61 47	67 37	72 37	84 54	70 41	74 42	69 44	72 50	68 53	74 53	72 54	64 51	64 48	74 54	74 45	78 46	74 59	69 46	59 46	66 50	78 47	89 51	79 54	83 57	78 53	72 45	74 50	72.6 48.5		
BEULAH	MAX MIN	75 50	73 43	68 50	66 50	68 39	74 38	83 50	75 39	70 55	72 54	76 52	77 54	79 61	76 60	72 47	68 48	78 52	76 45	80 45	69 57	69 45	65 48	73 51	81 57	89 62	83 64	88 47	74 60	80 56	75.3 51.4			
BISBEE	MAX MIN	72 48	70 42	70 50	64 38	60 38	70 38	77 48	73 54	68 56	65 48	78 47	77 48	80 51	74 58	66 45	70 44	78 44	80 45	71 46	72 48	68 50	72 40	80 47	87 52	86 60	86 51	79 56	74 47	70 48	73.7 48.2			
BISMARCK WB AIRPORT	MAX MIN	76 53	76 46	70 51	67 51	68 44	71 39	81 60	70 61	65 53	71 48	73 49	75 49	79 49	79 57	66 49	67 49	78 54	78 48	78 46	66 51	70 51	69 54	73 54	78 49	88 59	86 59	88 55	78 60	72 55	77 45	74.4 52.0		
BOTTINEAU	MAX MIN	82 44	68 41	70 45	68 37	69 32	69 40	69 55	79 52	57 45	72 50	75 48	77 49	79 48	72 58	77 49	67 43	77 51	78 40	80 45	68 50	65 47	63 47	72 51	84 48	87 54	84 56	87 50	74 48	65 49	73.2 47.7			
BOWBELLS	MAX MIN	79 47	68 52	66 49	66 43	61 43	62 35	72 50	79 56	77 52	75 45	78 52	79 55	75 49	81 55	74 55	68 49	69 54	72 46	78 45	80 45	67 49	61 48	62 49	71 53	78 59	89 55	84 52	84 47	68 45	72.9 46.5			
BOWMAN COURT HOUSE	MAX MIN	72 47	72 52	73 49	61 49	59 43	73 43	83 50	73 56	65 52	68 45	71 52	70 55	73 49	73 55	69 55	67 49	72 54	72 46	81 54	78 49	72 41	65 57	68 49	79 53	83 53	83 56	80 57	73 51	75 51	73.1 50.9			
BREIEN	MAX MIN	75 54	78 44	72 48	78 49	69 40	73 40	79 54	74 59	73 55	72 46	73 48	78 52	82 46	79 50	72 50	67 48	77 53	76 44	77 44	75 60	73 48	71 49	73 52	81 44	92 54	89 65	90 47	80 57	87 50	77.1 49.9			
BUTTE	MAX MIN	84 48	71 45	70 49	70 51	65 37	64 32	72 51	80 59	69 55	69 44	71 48	75 51	77 48	80 45	74 49	71 41	75 48	73 56	68 46	73 55	79 45	66 52	73 53	79 56	85 62	85 50	84 54	76 46	68 45	74.1 49.3			
CARRINGTON	MAX MIN	84 50	70 44	72 50	69 49	65 39	63 36	73 42	77 52	71 50	60 49	71 46	75 50	78 50	78 58	76 44	74 46	65 44	80 45	75 42	78 49	65 49	67 48	72 45	72 49	85 58	84 49	85 52	75 49	67 48	73.3 47.4			
CARSON	MAX MIN	83 50	73 45	75 46	71 49	62 37	65 42	69 52	80 59	69 54	62 42	70 45	72 55	74 55	75 58	74 52	69 47	66 46	74 42	72 51	75 49	66 44	72 49	75 49	88 58	84 65	85 45	79 57	74 51	73.2 49.5				
CAVALIER	MAX MIN	85 53	76 46	73 46	69 52	60 40	69 40	78 41	81 58	70 59	75 41	78 53	81 51	83 53	82 49	69 47	71 50	79 48	82 49	76 55	70 52	73 45	73 53	78 56	86 62	86 53	87 56	85 50	74 50	76.7 50.3				
CENTER	MAX MIN	71 50	72 42	66 49	65 48	65 39	72 38	80 56	75 60	67 53	70 44	76 50	74 50	77 47	74 57	74 47	67 40	76 41	74 44	76 45	64 49	66 45	63 49	70 45	74 50	87 51	81 50	86 48	75 51	71 52	72.7 48.8			
COOPERSTOWN	MAX MIN	85 42	75 48	72 41	68 49	66 39	71 38	77 50	75 54	79 56	70 54	75 48	79 48	80 51	78 56	72 45	66 48	80 47	78 47	77 45	69 50	69 48	77 44	79 45	85 54	84 62	87 51	84 56	74 44	69 41	75.6 48.6			
CROSBY	MAX MIN	71 48	68 56	66 45	60 44	63 45	74 50	82 47	77 53	76 45	76 46	74 51	78 45	74 52	71 49	70 43	75 40	73 39	75 43	80 48	73 58	61 44	61 48	72 47	90 58	84 55	83 50	83 54	69 53	77 44	73.9 48.1			
DEVILS LAKE WB CITY	MAX MIN	69 50	71 45	69 53	64 49	57 40	70 41	75 52	73 59	65 54	71 48	75 53	77 50	79 57	74 46	70 46	66 51	78 46	75 49	79 56	68 51	68 49	66 51	69 49	77 50	87 51	84 51	85 49	76 53	67 47	72.2 50.9			
DICKINSON FAA AIRPORT	MAX MIN	72 50	70 52	67 45	61 43	65 39	69 41	84 55	72 59	60 46	69 44	71 52	67 57	73 55	72 50	64 46	65 48	74 50	73 46	77 51	74 46	64 44	59 47	68 45	90 55	80 48	84 55	78 56	74 50	74 50	71.6 49.6			
DICKINSON EXP STATION	MAX MIN	82 47	74 49	71 41	68 43	61 32	68 37	72 48	86 59	73 54	64 41	69 48	71 51	68 47	74 54	71 46	63 42	67 45	75 42	72 45	76 48	65 42	65 49	73 53	80 54	80 53	84 56	78 53	74 45	73.5 47.5				
DRAKE	MAX MIN	83 49	71 46	71 53	69 51	67 37	63 43	73 45	78 61	69 59	66 46	72 48	75 53	77 55	78 50	69 45	69 51	79 48	75 50	75 42	62 49	67 50	75 49	67 45	76 51	86 53	84 52	84 45	76 55	66 46	73.2 50.3			
DUNN CENTER 2 SW	MAX MIN	78 50	74 52	69 51	64 50	60 41	66 42	72 54	74 60	66 54	72 49	70 50	72 56	75 55	70 49	75 46	64 46	67 51	74 47	72 49	78 57	71 46	64 48	59 45	70 54	88 58	77 51	84 57	75 51	70 45	71.8 51.1			
ECKMAN 2 SE	MAX MIN	81 55	69 43	71 51	69 43	66 32	62 37	72 48	81 59	75 56	67 46	75 48	77 47	78 51	79 46	76 46	67 42	67 48	77 41	77 42	82 53	64 47	64 48	51 48	76 53	60 50	66 50	75 52	84 55	84 45	78 50	48.3		
EDGELEY EXP FARM	MAX MIN	87 54	71 45	77 49	71 49	67 42	67 41	71 54	78 51	72 52	63 46	64 54	72 58	74 50	79 47	78 46	73 46	65 48	77 46	77 45	73 49	60 48	70 49	76 53	82 54	86 49	84 50	78 45	71 46	73.4 49.6				
EDMORE 1 N	MAX MIN	79 51	68 51	70 52	66 47	62 34	68 38	74 55	74 68	68 55	72 46	74 52	76 49	78 51	73 46	68 44	66 44	77 54	73 49	78 43	66 51	74 49	66 51	69 49	85 58	87 63	83 55	83 55	73 45	67 39	73.0 49.3			
ELLENOALE	MAX MIN	82 56	79 49	72 50	68 52	67 43	72 44	77 55	74 54	67 59	63 55	75 50	77 50	80 53	79 50	74 49	63 49	73 52	79 50	74 49	72 49	62 50	77 49	67 49	78 53	81 60	88 59	84 57	75 55	71 49	52.1			
ENOERLIN	MAX MIN	88 57	72 48	80 52	71 50	71 38	68 38	73 51	77 52	76 58	62 45	65 57	76 47	78 57	82 47	82 47	77 50	68 48	82 46	77 45	73 49	60 48	70 49	75 53	80 54	61 49	75 50	88 58	84 45	80 45	72 45	75.1 50.9		
FAIRFIELD	MAX MIN	72 45	68 53	67 46	58 43	70 41	70 39	85 51	73 54	66 52	67 46	70 53	72 53	75 51	72 55	71 45	70 45	72 52	72 45	76														

DAILY TEMPERATURES

NORTH DAKOTA
JUNE 1980

Continued

Station		Day Of Month																																Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GACKLE	MAX MIN	81 51	75 44	68 48	65 47	66 48	69 48	76 52	76 56	66 55	66 53	74 53	75 49	79 52	76 56	73 47	65 49	74 51	76 46	74 48	67 56	69 48	71 57	66 47	71 45	83 54	86 61	86 67	79 51	76 45	71 45	73.3 51.3		
GARRISON	MAX MIN	81 48	70 46	68 48	65 50	69 46	63 40	71 51	80 59	73 53	65 47	69 49	72 52	75 54	77 54	72 54	64 49	67 50	75 45	79 48	77 46	62 45	64 47	66 55	73 45	77 45	84 51	77 53	84 55	76 52	86 52	72.8 49.8		
GRAFTON	MAX MIN	83 50	70 39	70 45	68 49	59 32	64 43	63 41	80 53	70 53	70 49	74 46	77 41	80 46	77 52	65 42	65 45	76 42	73 42	77 40	74 55	66 48	74 43	67 49	73 42	82 50	80 56	83 50	82 50	73 46	64 42	72.6 46.1		
GRAND FORKS FAA AIRPORT	MAX MIN	73 51	78 48	74 56	68 49	61 39	71 44	80 49	81 59	68 59	73 53	77 47	85 48	83 52	80 47	72 48	69 41	81 48	77 50	81 41	66 59	70 50	76 51	68 51	75 44	83 53	86 62	85 56	76 42	64 41	67 41	74.9 50.1		
GRAND FORKS UNIVERSITY	MAX MIN	81 58	76 46	74 55	67 56	62 40	68 45	76 49	80 57	61 58	71 56	76 53	85 50	83 54	78 55	68 41	67 52	79 49	75 42	69 61	75 54	69 50	76 50	67 49	85 54	88 62	87 58	80 50	72 45	67 45	75.0 52.0			
GRAND RAPIDS 1 N	MAX MIN	81 55	80 47	75 48	70 46	70 48	74 53	79 54	78 59	69 55	66 56	76 47	81 55	81 54	76 47	67 50	76 49	77 49	79 42	63 57	72 50	79 48	66 51	78 43	83 53	88 62	86 58	79 50	74 46	70 46	75.7 50.1			
GRANVILLE	MAX MIN	70 48	69 47	69 53	65 49	62 36	73 37	81 55	75 62	71 55	74 46	72 51	78 51	79 53	75 60	70 49	67 41	72 53	75 48	80 43	72 59	66 43	68 48	74 51	78 48	88 53	88 55	86 50	76 47	70 48	73 48	73.9 49.6		
GRENDORA	MAX MIN	74 55	68 54	65 52	62 46	66 39	75 38	80 55	77 47	77 55	74 52	77 48	74 49	80 44	77 52	68 49	71 42	74 49	75 44	78 46	72 59	62 43	65 47	76 51	80 55	84 57	85 52	86 44	72 53	78 42	74.5 48.8			
HANKINSON R R STATION	MAX MIN	85 58	72 52	82 52	73 53	71 40	68 42	71 50	76 51	75 56	63 50	65 51	72 52	75 52	81 55	80 52	75 41	67 48	72 55	80 52	78 53	60 53	70 50	73 51	67 53	75 51	82 62	88 50	82 51	81 47	73 48	74.4 52.7		
HANNAH	MAX MIN	73 48	68 39	78 43	65 45	66 44	75 48	75 48	68 46	75 47	78 45	80 49	75 42	67 49	75 50	75 42	81 46	73 44	68 48	68 53	79 50	68 42	68 50	79 42	87 56	84 54	89 50	82 55	72 44	65 44	73.9 47.5			
HANSBORO	MAX MIN	72 52	73 43	70 44	69 44	70 45		72 40									62 42	75 44				63 46	66 49	69 45	78 50							80 53		
HETTINGER	MAX MIN	73 51	73 50	72 46	64 52	60 45	70 49	82 55	72 54	57 47				67 50	60 49	73 53	80 42				69 59	73 49	80 49	63 50	68 49	78 49	91 59	82 59	85 49	79 58	74 53	70 54	72.2 51.0	
HILLSBORO	MAX MIN	84 56	79 46	74 55	70 38	64 44	72 41	77 55	80 57	70 59	65 54	74 48	82 49	83 54	81 48	73 48	67 50	77 48	82 48	66 59	71 48	76 53	73 49	79 53	87 52	88 61	83 56	82 61	77 53	68 43	76.1 51.4			
JAMESTOWN FAA AIRPORT	MAX MIN	70 51	76 48	68 52	68 51	65 40	71 41	77 53	73 52	64 55	68 55	73 51	78 49	80 50	80 54	74 46	66 41	75 48	75 41	76 42	63 54	69 50	77 51	67 50	78 44	84 54	84 60	87 51	76 57	71 50	70 45	73.4 50.1		
JAMESTOWN STATE HOSP	MAX MIN	79 54	73 46	68 51	71 52	65 42	74 42	79 54	74 56	68 56	67 54	74 53	77 51	81 50	77 58	76 47	63 47	75 52	76 47	74 47	65 50	68 50	77 53	66 47	77 53	85 55	84 61	88 50	79 50	74 46	70 46	74.1 51.5		
KEENE 2 S	MAX MIN	71 44	69 48	64 46	62 45	65 36	72 38	84 55	75 55	71 53	72 55	74 47	71 47	77 49	74 54	69 46	68 49	74 53	72 42	81 50	78 51	63 43	59 46	72 49	87 54	80 60	84 50	84 50	77 50	66 44	74 42	73.0 47.5		
KENMARE	MAX MIN	78 48	68 50	66 51	67 45	62 36	61 37	73 45	79 57	78 54	73 50	76 47	78 53	78 49	84 55	73 47	67 37	69 46	75 43	74 46	81 58	63 45	63 48	62 49	72 48	78 57	89 63	78 54	85 54	75 43	65 47	73.0 48.7		
KENSAL WILDLIFE REFUGE	MAX MIN	79 52	80 43	70 48	68 46	64 39	74 35	76 52	75 55	68 55	70 51	77 45	80 45	80 50	76 59	74 44	66 46	79 46	76 42	68 56	69 49	76 50	68 43	83 47	82 50	87 53	80 50	82 50	87 50	76 46	71 45	75.2 48.3		
LANGDON EXP FARM	MAX MIN	80 48	71 38	68 46	63 47	59 34	66 41	74 57	75 46	78 52	74 47	75 47	78 47	80 42	78 47	68 44	71 46	76 43	79 46	68 42	76 56	67 49	66 56	71 50	77 44	85 56	84 50	85 44	83 52	73 46	67 35	73.6 47.6		
LARIMORE	MAX MIN	83 54	75 45	72 55	68 53	64 36	70 35	78 59	78 55	67 55	77 54	76 48	80 46	81 54	78 46	71 46	66 47	82 48	78 46	81 45	77 58	71 51	77 49	69 53	77 46	84 58	83 55	87 56	84 54	75 49	67 46	75.9 50.1		
LEEOS	MAX MIN	74 54	70 45	69 53	65 49	62 38	70 36	76 52	73 60	66 57	74 46	76 50	77 49	80 54	76 60	70 49	68 39	73 51	76 41	80 42	70 58	68 49	73 48	88 49	86 51	85 61	87 50	78 47	72 50	68 50	73.8 49.7			
LINTON	MAX MIN	82 40	73 40	67 49	70 37	74 41	84 37	75 41	70 58	69 56	72 58	69 53	79 47	82 54	72 55	79 47	65 46	79 41	76 46	76 49	69 51	73 48	71 49	76 51	80 42	87 58	89 66	90 50	80 46	75 46	82 49	76.5 49.9		
LISBON	MAX MIN	88 56	81 46	76 49	74 46	73 43	73 37	78 52	76 51	69 58	65 56	75 60	78 46	82 50	82 51	81 46	74 50	74 47	79 49	80 42	72 58	72 52	77 49	77 48	78 45	84 53	88 63	87 59	86 57	78 52	72 46	77.6 50.6		
LOSTWOOD 12 N	MAX MIN				67 46	65 41	71 31	75 52	49 49	51 51	47 46			80 46	46 39							44 47				49 51	46 46	51 51	57 52	51 41	43 43	46.7		
MAODOCK AGRI SCHOOL	MAX MIN	80 51	72 45	70 52	69 49	64 39	75 40	82 58	73 58	65 46	72 46	77 52	80 49	80 54	75 48	73 48	68 47	79 52	75 48	80 45	74 57	69 48	68 47	72 50	82 47	89 55	85 52	86 52	77 55	74 45	71 45	75.2 49.7		
MANOAN EXP STATION	MAX MIN	86 53	73 44	73 50	68 42	65 41	66 35	71 50	80 59	69 56	60 47	70 51	74 47	75 50	78 58	74 46	66 47	65 49	77 45	74 45	75 57	66 48	68 51	66 49	71 51	77 58	87 65	83 50	85 57	75 49	69 49	72.9 51.0		
MANOAN FT LINCOLN PARK	MAX MIN	78 51	77 48	72 44	68 46	67 42	73 39	82 61	68 54	67 52	72 46	77 40	79 47	77 46	68 47	69 45	79 49	76 54	74 50	69 52	70 46	68 46	72 50	78 48	88 55	85 56	86 48	81 51	84 47	78 47	75.3 48.7			
MARMARTH	MAX MIN	84 48	75 51	73 46	75 50	64 41	61 46	75 49	87 58	74 53	65 48	68 54	69 46	78 54	73 52	74 42	58 46	78 54	72 42	74 50	75 60	81 41	68 45	61 48	70 45	82 50	92 60	80 45	88 57	82 45	76 51	74.4 49.5		
MAX	MAX MIN	86 42	71 41	69 47	65 48	63 35	64 40	71 50	78 58	72 53	65 44	73 53	74 51	76 50	77 47	72 41	67 49	68 41	77 45	74 45	78 57	63 44	64 49	62 47	70 47	76 52	87 60	83 47	83 52	75 44	66 45	72.3 47.8		
MAYVILLE	MAX MIN	83 56	69 47	69 46	68 54	64 39	70 39	77 56	74 57	63 57	68 56	75 46	80 46	83 53	80 46	73 46	67 56	79 49	71 50	82 46	78 43	70 50	77 46	71 54	78 48	88 50	83 49	87 50	82 49	74 49	69 40	75.1 50.1		
MC CLUSKY	MAX MIN	71 50	71 45	67 48	65 49	63 40	69 40	79 59	73 59	65 55	69 54	74 51	77 47	78 52	76 46	69 46	66 46	80 46	77 46	75 47	75 43	66 43	65 49	72 50	79 48	88 55	83 49	86 50	76 51	75 46	72 46	73.4 49.7		
MC HENRY 5 N	MAX MIN	72 50	75 41	72 51	66 45	62 37	72 36	76 48	72 54	66 50	70 48	78 45	81 50	76 56	72 43	65 48	82 43	75 44	80 49	70 43	70 49	77 46	67 45	79 45	84 52	84 59	87 61	75 68	70 45	67 41	73.9 46.9			
MC LEOO 3 E	MAX MIN	78 56	83 47	72 49	72 50	62 44	76 38	80 51	78 54	68 57	66 58	75 50	78 53	83 58	82 52	79 41	69 45	77																

DAILY TEMPERATURES

NORTH DAKOTA
JUNE 1960

Continued

Station	Day Of Month																																	Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MOTT	MAX MIN	72 48	72 45	70 44	62 49	65 42	70 41	84 53	72 56	60 52	69 40	70 44	73 55	74 51	71 57	63 51	65 48	72 54	73 42	76 49	73 59	67 43	64 50	68 49	77 45	89 53	80 52	85 46	78 56	73 49	74 50	72.0 49.1		
MUNICH 4 SW	MAX MIN	74 48	70 40	70 47	64 46	61 35	66 36	74 48	72 58	63 56	73 46	74 47	76 49	79 49	75 57	67 44	67 41	77 49	73 43	79 45	74 57	66 48	66 47	72 49	77 45	86 54	83 59	84 48	79 50	75 46	67 47	72.8 47.6		
NAPOLEON	MAX MIN	78 50	74 45	68 49	67 49	64 40	71 43	78 55	73 57	61 54	68 50	70 57	75 52	79 51	75 55	69 46	46 51	50 45	45 45	59 46	48 51	50 46	51 46	50 46	46 57	63 53	47 47	57 50	50 47			50.3		
NEW ENGLAND	MAX MIN	73 48	72 50	69 44	61 48	64 38	71 39	85 50	72 57	64 52	69 50	70 57	67 52	73 51	71 55	61 46	65 53	74 56	74 51	79 47	75 50	70 42	61 48	70 50	78 51	89 55	79 63	84 52	78 56	73 49	74 50	72.2 48.8		
NEW SALEM 1 SE	MAX MIN	72 52	72 51	69 48	63 50	68 41	70 43	80 55	69 59	62 52	68 50	72 57	74 52	76 51	68 55	76 50	68 47	74 51	76 47	68 45	66 50	66 58	64 50	71 50	77 51	88 55	83 63	87 52	77 57	71 51	76 49	72.7 51.7		
NEWTOWN	MAX MIN	77 41	70 37	65 49	64 49	65 37	72 36	79 54	78 56	75 55	75 55	77 55	75 55	77 55	70 50	75 50	77 50	77 50	70 50	65 47	74 51	73 50	65 47	71 48	65 47	60 48	72 52	86 52	82 63	85 49	74 51	73 47	73.4 48.4	
OAKES	MAX MIN	84 57	78 49	73 50	67 52	66 52	71 41	77 55	76 54	68 58	65 55	71 55	74 50	78 51	79 50	64 45	73 50	76 52	76 50	67 45	69 50	69 51	74 48	74 50	74 46	81 55	88 64	85 50	81 58	75 45	70 47	74.3 52.3		
PARK RIVER	MAX MIN	84 46	74 40	72 51	70 38	64 47	70 47	77 43	80 56	71 52	75 52	78 51	79 49	81 55	80 60	70 47	70 49	80 51	79 48	82 47	73 58	69 52	74 46	72 54	78 55	85 59	85 63	87 52	85 57	76 47	68 51	76.3 50.7		
PARSHALL	MAX MIN	76 46	70 41	69 48	65 48	62 32	72 33	82 55	75 61	72 54	72 42	75 46	77 51	77 54	73 49	73 43	76 40	76 54	76 40	67 48	62 59	62 47	63 43	72 51	77 46	89 54	86 64	85 52	79 52	74 45	76 47	74.4 48.3		
PEMBINA	MAX MIN	84 51	72 46	73 46	70 47	68 39	67 45	75 47	80 53	71 57	75 45	77 45	80 45	83 57	80 55	70 43	69 46	79 48	75 45	80 48	75 52	65 52	75 46	70 52	75 46	84 55	84 64	84 56	83 55	70 47	68 40	75.4 49.2		
PETERSBURG	MAX MIN	77 51	72 43	69 51	64 50	59 36	68 38	74 53	75 54	68 58	70 43	74 52	78 50	79 49	75 55	68 47	65 46	79 48	75 46	78 46	67 50	67 48	69 50	77 46	77 46	85 54	82 62	85 52	80 47	70 46	67 40	73.2 49.1		
PETTIBONE	MAX MIN	79 52	72 43	68 48	65 49	62 40	72 40	75 53	70 55	66 53	68 48	71 48	77 50	78 51	75 46	72 46	72 45	75 43	72 43	69 46	67 46	67 46	70 49	67 48	76 45	84 54	83 62	85 52	79 55	72 48	72 44	72.6 49.1		
PORTAL	MAX MIN	78 44	67 45	66 49	65 43	63 33	61 37	80 43	76 54	74 50	78 50	77 68	77 63	79 44	78 51	71 43	65 47	69 52	70 43	81 47	63 52	63 43	59 48	62 49	72 45	78 56	91 62	75 52	83 47	74 53	62 45	72.0 48.9		
POWERS LAKE 1 N	MAX MIN	70 47	66 48	66 47	63 33	62 35	72 35	78 49	76 55	68 53	72 45	74 45	73 50	76 51	75 55	73 43	62 40	75 48	73 50	60 48	60 56	70 43	60 45	70 48	76 45	83 50	84 55	83 48	70 38	75 40	71.8 46.8			
RAUS 10 SSW	MAX MIN							79 59	75 55	68 60	69 55			76 50	69 50	65 45	75 53	74 46	76 45	67 48	65 45	68 48	75 50	78 54	85 50	80 63	84 52	77 56	70 45	76 49	73.9 51.3			
RICHAROTON ABBEY	MAX MIN																																	
RIVEROALE	MAX MIN	81 51	70 46	68 48	64 51	62 42	64 40	71 52	80 59	70 55	62 48	70 51	73 50	75 52	77 59	71 46	67 45	65 49	74 46	72 45	76 49	64 55	64 48	67 48	63 51	71 49	75 55	85 54	84 50	84 55	75 52	68 47	71.6 49.8	
ROLLA	MAX MIN	70 47	67 46	68 51	62 41	56 41	67 39	75 47	72 57	68 55	70 49	73 51	75 49	77 52	75 59	65 47	65 45	76 50	71 46	79 49	66 55	65 47	63 46	69 50	78 47	87 51	83 60	82 53	78 55	67 49	67 46	71.2 49.3		
RUGBY	MAX MIN	80 48	71 45	70 44	67 48	64 38	72 41	79 53	78 52	69 56	74 49	77 53	78 50	80 49	79 56	72 48	68 42	79 52	72 45	68 48	67 50	67 48	78 50	78 49	80 58	89 58	88 64	86 52	84 58	74 47	70 51	75.7 50.4		
SAN HAVEN	MAX MIN	76 47	68 45	68 52	62 47	59 37	66 38	76 50	73 58	68 53	72 48	74 49	77 47	77 50	74 45	65 48	64 45	76 51	72 47	77 47	74 51	63 48	60 52	71 46	75 46	85 45	82 56	81 51	79 55	68 49	66 40	71.5 49.2		
SHARON	MAX MIN	78 62	74 62	69 55	64 59	61 36	70 37	74 47	75 53	67 56	73 49	76 53	77 49	78 52	75 46	70 47	78 47	73 46	78 56	71 45	67 45	75 46	82 45	76 46	82 45	83 56	84 51	84 51	83 55	75 49	68 40	74.2 50.4		
STANLEY	MAX MIN	70 41	67 50	65 48	62 48	64 36	72 35	78 54	77 57	69 54	72 46	75 46	77 52	78 50	74 56	74 48	62 43	75 52	74 48	77 42	70 52	62 48	42 47	57 45	47 45	50 46	52 46	62 51	54 44	44 44		48.7		
STEELE	MAX MIN	79 53	75 49	69 49	67 50	65 42	71 40	79 55	75 52	68 51	70 48	73 50	75 48	78 56	76 50	72 43	64 46	77 51	75 48	76 47	67 50	68 52	70 50	76 47	84 54	84 60	85 52	80 57	74 50	73 47	73.9 50.5			
TIOGA 1 E	MAX MIN	79 43	71 41	69 47	65 44	60 29	66 35	72 49	72 53	77 54	77 40	74 41	75 49	78 42	80 54	75 46	70 43	68 50	76 39	76 42	65 43	60 47	63 47	71 48	77 48	86 55	84 62	84 49	85 49	77 49	67 39	73.1 45.9		
TOWNER	MAX MIN	70 53	71 42	72 52	68 47	62 35	73 35	81 46	74 59	64 53	75 44	78 50	78 48	80 49	77 58	67 47	68 39	79 50	78 41	82 55	75 47	68 45	78 46	82 50	88 45	83 53	83 54	87 57	78 53	69 45	73 46	74.9 48.7		
TROTTERS 3 S	MAX MIN																																	
TURTLE LAKE	MAX MIN	71 50	72 49	74 48	64 51	65 39	71 40	84 56	75 59	68 54	71 44	74 44	75 44	79 53	74 55	68 49	66 44	80 51	76 46	75 48	69 58	67 47	64 49	72 50	74 50	85 50	85 63	84 52	77 57	75 49	72 48	73.5 49.9		
UNDERWOOD 4 ESE	MAX MIN	70 50	70 46	67 48	62 51	64 39	71 38	79 55	75 59	67 54	69 46	72 46	74 49	80 50	77 51	75 48	73 43	70 51	64 44	63 47	69 58	75 47	63 47	50 48	84 54	83 62	83 51	87 55	72 48	72 46	71.8 49.5			
UPHAM 3 N	MAX MIN	74 46	71 40	71 52	67 44	63 32	71 35	79 55	77 59	75 56	73 42	76 53	79 47	81 48			66 43	71 49	76 37	80 44	72 49	67 47	67 47	76 51	80 49	89 56	85 65	87 49	84 50	73 44	72 51	75.1 48.2		
VALLEY CITY	MAX MIN	79 54	76 46	70 53	65 53	64 36	73 41	76 51	74 53	68 58	66 50	72 55	76 45	79 47	79 52	75 43	65 50	75 49	75 45	79 43	71 58	67 53	75 48	71 43	83 48	85 55	82 62	82 52	78 59	72 49	67 45	73.7 49.9		
VELVA	MAX MIN	76 53	78 46	72 46	65 47	64 37	75 33	82 56	78 62	73 55	73 42	76 47	79 48	81 53	77 45	73 46	68 43	73 53	78 43	79 44	65 48	68 48	73 48	79 51	85 48	88 57	84 65	83 51	80 56	72 47	75 47	75.6 49.8		
WAHPETON	MAX MIN	86 52	83 47	81 52	73 50	68 41	72 42	76 50	76 54	74 52	75 53	78 58	82 53	79 53	81 50	73 45	72 52	79 44	80 50	76 48	67 52	72 42	72 50	76 46	81 54	86 60	85 60	82 59	81 59	73 45	73 48	77.2 51.5		
WASHBURN	MAX MIN																																	
WATFORD CITY	MAX MIN	73 50	69 53	64 51	62 52	65 36	74 38	82 55	77 57	74 55	76 44	79 48	78 53	74 48	73 55	73 43	70 43	76 53	75 48	80 48	75 58	63 44	60 48	73 48	81 54									

Continued

DAILY TEMPERATURES

NORTH DAKOTA
JUNE 1960

Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX		MIN
WILTON	70	48	70	46	66	64	64	72	78	74	62	69	70	74	76	74	65	64	77	73	74	68	65	64	70	78	85	82	83	74	72	74	71.7
WISHEA	72	52	72	36	43	69	65	66	71	78	71	63	67	67	74	78	73	67	67	73	76	73	63	70	75	68	76	84	87	86	76	73	72.9
	48	46	46	50	40	41	53	57	54	44	52	50		57	48	44	48	46	61	57	45	47	50	47	53	52	52	53	48	47		49.6	
	52	36	43	49	39	38	55	55	58	53	51	44	41	57	40	47	42	40	58	48	46	50	38	53	61	44	54	46	46	47		47.9	

EVAPORATION AND WIND

Station		Day of month																															Total Evap Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DEVILS LAKE WB CITY	EVAP	.40	.31	.36	.23	.14	.13	.26	.19	-	.11	.23	.22	.32	.29	.15	.05	.21	.29	.21	.19	.14	.11	.06	.20	-	.35	.34	.29	.18	.16	B 6.56 1469	
	WIND	112	77	109	87	40	21	71	70	26	28	14	16	38	36	13	18	25	44	29	68	93	41	31	30	46	64	54	60	49	26		
	MAX	79	73	77	72	66	77	75	83	83	68	73	80	73	85	79	63	74	78	80	78	81	69	66	76	82	89	83	85	83	87		
	MIN	54	52	50	51	43	47	52	59	58	52	46	62	57	58	59	53	52	54	56	62	48	50	53	54	57	62	53	57	55	53		
DICKINSON EXP STATION(A)	EVAP	.16	.36	.33	.24	.10	.20	.24	.28	.22	.08	-	-	.30	.30	.07	.21	.30	.29	.26	.26	.30	.12	.11	.30	.40	.35	.25	.35	.34	B 7.47 3260 77.2		
	WIND	80	130	150	90	75	45	190	200	90	80	65	85	70	125	85	60	140	80	100	160	160	130	180	60	135	140	90	105	95		65	
	MAX	79	73	77	72	66	77	75	83	83	68	73	80	73	85	79	63	74	78	80	78	81	69	66	76	82	89	83	85	83		87	
	MIN	54	52	50	51	43	47	52	59	58	52	46	62	57	58	59	53	52	54	56	62	48	50	53	54	57	62	53	57	55		53	
EDGELEY EXP FARM	EVAP	.34	.32	.32	.21	.14	.23	.28	.40	.13	.34	.09	.22	.15	.29	.25	.09	.14	.19	.22	.10	.01	.20	.24	.15	.20	.29	.27	.30	.19	.32	6.62 1894	
	WIND	61	71	97	47	39	42	61	113	60	145	73	44	28	35	46	75	81	51	36	88	109	47	43	110	14	78	41	37	52	70		
	MAX	79	73	77	72	66	77	75	83	83	68	73	80	73	85	79	63	74	78	80	78	81	69	66	76	82	89	83	85	83	87		
	MIN	54	52	50	51	43	47	52	59	58	52	46	62	57	58	59	53	52	54	56	62	48	50	53	54	57	62	53	57	55	53		
MANDAN EXP STATION (A)	EVAP	.20	.27	.28	.19	.15	.17	.21	.28	.00	.09	.15	.07	.22	.20	.23	.08	.18	.15	.20	-	.10	.23	.17	.14	.20	.21	.22	.29	.24	.27	B 5.58 3374	
	WIND	80	125	167	82	107	39	152	283	63	167	81	67	77	22	20	93	91	71	122	68	139	135	123	93	154	66	99	103	111			
	MAX	79	73	77	72	66	77	75	83	83	68	73	80	73	85	79	63	74	78	80	78	81	69	66	76	82	89	83	85	83	87		
	MIN	54	52	50	51	43	47	52	59	58	52	46	62	57	58	59	53	52	54	56	62	48	50	53	54	57	62	53	57	55	53		
RIVERDALE	EVAP	.29	.38	.34	.31	.25	.20	.21	.30	.40	.16	.11	.28	.30	.28	.25	.21	.14	.19	.26	.20	.23	.23	.20	.11	.23	.25	.29	.31	.37	.24	7.41 3222 75.4 51.7	
	WIND	89	144	156	128	90	73	130	192	83	84	65	86	76	99	68	83	129	85	90	178	207	137	136	85	97	109	51	86	110	76		
	MAX	82	71	73	68	64	70	68	73	72	62	77	76	79	80	81	65	75	84	80	78	69	68	72	75	80	88	84	85	82	80		
	MIN	52	49	51	50	45	45	48	55	56	49	50	53	56	56	53	48	50	53	50	51	49	49	49	52	55	60	56	56	55	50		
WILLISTON EXP FARM	EVAP	.38	.44	.16	.21	.29	.47	.13	.47	.27	.29	.32	.30	.21	.56	.14	.39	.19	.46	.40	.39	.13	.26	.21	.29	.47	.33	.40	.32	.31	.26	9.45 3134	
	WIND	198	207	3	229	94	78	112	95	65	31	51	86	74	132	61	80	138	138	81	100	267	169	96	37	37	142	92	148	60	33		
	MAX	198	207	3	229	94	78	112	95	65	31	51	86	74	132	61	80	138	138	81	100	267	169	96	37	37	142	92	148	60	33		
	MIN	52	49	51	50	45	45	48	55	56	49	50	53	56	56	53	48	50	53	50	51	49	49	49	52	55	60	56	56	55	50		

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

MONTHLY EXTREMES

Highest Temperature: 92° on the 26+ at Two Stations

Lowest Temperature: 29° on the 5th at Tioga 1 E

Greatest Total Precipitation: 7.14 inches at Medcra 3 NNE

Least Total Precipitation: 0.43 inch at Westhope

Greatest one-day Precipitation: 3.96 inches on the 20th at Mandan Exp Sta

See reference notes following Station Index.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Season of 1959-1960

NDRTH DAKOTA

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Normal July-June
ALMONT 7 SW	7	8	277	741	1242	1174	1613	1478	1385	674	305	120	9024	
AMENIA	6	11	207	723	1296	1170	1743	1514	1444	660		59		
AMIOON	27	23	315	792		1136	1553	1425	1274	669	392	148		
ARVILLA STATE PARK	17	16	251	831	1400	1287	1893	1676		714	327	93		
ASHLEY	15	18	258	755	1301	1259	1690	1602	1546	687	336	144	9611	
BEACH	32	25	323	800	1269	1164	1599	1459	1329	685	358	138	9181	
BELCOURT INOIAN RES	43	48	379	943	1442	1386	1923	1669	1638	839	413	194	10917	
BELFIELD	5	13	382	754	1227	1142	1595	1438	1294	685	342	144	9021	
BEULAH	11	7	294	718	1248	1162	1666	1499	1384	631	271	93	8984	
BISBEE	32	20	337	913	1393	1369	1962	1690	1606	796	375	136	10629	
BISMARCK WB AIRPORT	4	13	273	749	1256	1197	1668	1460	1390	587	290	83	8970	9080
BOTTINEAU	51	41	349	922	1442	1413	1956	1644	1636	811	385	153	10803	
BOWBELLS	33	41	402	897	1387	1296	1858	1607	1544	792	379	178	10414	
BOWMAN CDURT HOUSE	18	12	295	722		1145	1518	1416	1248	619	306	109		
BREIEN	4	4	246		1252	1175	1663	1455	1377	579	303	78		
BUTTE	18	31	330	856	1357	1256	1757	1570	1505	746	340	124	9890	
CARRINGTON	25	37	341	869	1403	1304	1830	1628	1578	769	375	148	10307	
CARSON	24	20	277	772	1300	1202	1671	1495	1455	648	319	129	9312	
CAVALIER	12	9	260	863	1378	1301	1847	1591	1513	764	298	80	9916	
CENTER	12		287	766	1262	1234	1679	1537	1442	683	332	135		
COOPERSTOWN	17	10	265	819	1362	1283	1792	1613	1518	719	293	108	9799	
CROSBY	17	27	358	857	1320	1269	1822	1622	1464	704	307	140	9907	
DEVILS LAKE WB CITY	20	25	331	879	1407	1318	1903	1648	1588	780	339	118	10356	9992
DICKINSON FAA AIRPORT	14	18	338	779	1248	1142	1586	1434	1345	673	349	146	9072	
DICKINSON EXP STATION	35	29	322	815	1290	1176	1684	1463	1407	691	382	157	9451	
ORAKE	23	24	301	831	1385	1289	1755	1604	1510	730	336	121	9909	
DUNN CENTER 2 SW	20	27	318	796	1311	1177	1688	1505	1445	707	346	129	9469	
ECKMAN 2 SE	29	52	383	891	1423	1358	1957	1672	1600	784	400	139	10688	
EDGELEY EXP FARM	21	29	230	773	1268	1188		1513	1522	706	330	118		
EDMORE 1 N	41	28	311	913	1423	1399	1960	1698	1658	807	356	140	10734	
ELLENDALE	5	7	195	696	1264	1168	1636	1475	1449	629	278	83	8885	
ENOERLIN	19	23	244	777	1329	1200	1775	1585	1533	735	320	97	9637	
FAIRFIELD	18	12	336	805	1275	1203	1669	1486	1357	701	337	138	9337	
FARGO WB AIRPORT	8	8	226	746	1329	1205	1762	1550	1526	708	276	87	9431	9323
FESSENDEN	9	19	282	784	1335	1278	1758	1570	1488	679	307	116	9625	
FEDMAN	8	9	222	728	1269	1194	1654	1512	1504	651	269	66	9086	
FORT YATES	16	17	236	714	1229	1152	1718	1472	1458	607	312	75	9006	
FOXHOLM 7 N	11	18	309	832	1313	1259	1750	1494	1410	693	344	115	9538	
FULLERTON	8	8	227	719	1274	1188	1660	1500	1448	649	285	82	9048	
GACKLE	7	16	236	756	1324	1269	1685	1594	1526	679	291	105	9488	
GARRISON	22	14	264	824	1324	1226	1717	1502	1544	723	358	124	9642	
GRAFTON	24	22	299	929	1484	1412	1967	1719	1665	837	399	170	10927	
GRAND FORKS FAA AIRPORT	21	14	267	805	1413	1310	1839	1649	1574	723	281	99	9995	
GRAND FORKS UNIVERSITY	18	8	238	776	1358	1278	1794	1603	1513	706	285	83	9660	
GRAND RAPIDS 1 N	8	10	228	721	1278	1180	1680	1543	1462	645	293	86	9134	
GRANVILLE	26	15	306	806	1330	1254	1806	1535	1429	703	322	118	9650	
GRENORA	16	23	309	822	1294	1228	1742	1564	1390	718	318	119	9543	
HANKINSON R R STATION	17	14	226	757	1315	1161	1707	1521	1547	700	295	80	9340	
HANNAH	41	53	343	958	1484	1418	1985	1695	1672	849	402	140	11040	
HANSBORO	31	43	430	954	1372	1320	1908	1607	1559	755	372			
HETTINGER	23	22	303	754				1465	1314	617	322	126		
HILLSBORO	7	10	219	743	1323	1239	1715	1530	1509	716	286	73	9370	
JAMESTOWN FAA AIRPORT	9	26	281	791	1347	1225	1740	1569	1493	723	326	109	9639	
JAMESTOWN STATE HDSP	5	10	242	756	1296	1211	1701	1540	1437	685	300	88	9271	
KEENE 2 S			351	845	1331	1253	1697	1559	1417	709	354	158		
KENMARE	27	27	364	888	1351	1248	1806	1547	1492	778	359	153	10040	
KENSAL WILDLIFE REFUGE	9	18	245	767	1326	1242	1749	1557	1481	692	323	113	9522	
LANGDON EXP FARM	35	36	332	942	1456	1448	1963	1688	1625	846	363	147	10881	
LARIMORE	16	16	287	847	1377	1237	1807	1589	1505	715	308	90	9794	
LEEDS	23	21	304	862	1366	1339	1908	1657	1567	740	345	117	10249	
LINTON	6	2	226	710	1287	1242	1652	1483	1395	602	275	87	8967	
LISBON	7	6	199	694	1241	1141	1665	1503	1449	640	269	63	8877	
LOSTWOOD 12 N	20	33	370	925	1359	1312	1889	1639	1551					
MADDOCK AGRIC SCHOOL	22	14	283	819	1347	1304	1824	1608	1506	711	318	96	9852	
MANOAN EXP STATION	15	22	256	751	1290	1207	1703	1520	1475	653	335	119	9346	
MANOAN FT LINCOLN PARK	8	7	242	732	1259	1197	1644	1477	1370	610	327	111	8984	
MARMARTH	41	22	312	755	1209	1152	1567	1435	1247	628	349	119	8936	
MAX	31	45	371	902	1408	1340	1827	1605	1546	774	387	161	10397	
MAYVILLE	7	18	260	767	1324	1238	1757	1582	1505	709	307	96	9570	
MC CLUSKY	17	14	289	800	1300	1296	1747	1573	1462	684	327	123	9632	
MC HENRY 5 N	24	24	300	870	1376	1320	1844	1638	1558	767	338	146	10205	
MC LEDO 3 E	5	7	209	751	1297	1188	1720	1551	1513	672	266	75	9254	
MC VILLE	26	10	274	845	1393	1302	1851	1628	1564	769	333	126	10121	
MEODRA 3 NNE	32	10	293	766	1213	1163	1620	1450	1320	642	349	112	8970	
MINOT FAA AIRPORT	17	33	382	872	1352	1248	1772	1533	1442	732	326	140	9849	
MINOT EXP STATION	28	33	337	868	1350	1258	1789	1566	1489	755	366	124	9963	
MOFFIT 4 SE	8	14	277	777	1229	1259		1586	1456	663	317	131		
MOHALL	25	21	361	874	1369	1297	1860	1585	1441	721	348	133	10035	
NDIT	19	14	323	750	1231	1210	1622	1423	1342	661	360	142	9097	
MUNICH 4 SW	30	40	316	928	1431	1384	1939	1706	1657	826	359	152	10768	
NAPOLEON	6	8	230	734	1284	1270	1693	1560	1515	676	317	124	9417	
NEW ENGLAND	12	18	329	775	1221	1151	1587	1428	1318	667	360	144	9010	
NEW SALEM 1 SE	10	16	293	728	1271	1229	1677	1532	1438	662	318	108	9282	
NEWTOWN	10	18	326	797	1299	1236	1738	1517	1403	693	318	137	9492	
DAKES	19	21	235	792	1269	1182	1670	1528	1487	649	282	79	9213	
PARK RIVER	13	6	244	825	1347	1271	1816	1578	1523	741	310	76	9750	
PARSHALL	19	21	275	807	1319	1280	1790	1597	1442	737	325	129	9811	
PENNA	19	7	249	843	1430	1338	1867	1592	1548	761	311	109	10074	
PETERSBURG	27	18	288	883	1447	1357	1859	1646	1598	800	336	125	10384	
PETTIBONE	13	20	292	801	1337	1347	1778	1626	1534	697	323	134	9902	
PORTEL	30	58	358	898	1429	1345	1931	1647	1598	794	358	169	10615	
POWERS LAKE 1 N	59	75	407	900	1374	1321	1867	1672	1643	778	397	166	10659	
RAUB 10 SSW	3	7	272	742			1147	1689	1500					
RICHARDSON ABBEY	15	8	282	744	1236	1160	1582	1443	1341	635	304			
RIVERDALE	20	22	301	806	1302	1235	1747	1564	1518	731	352	142	9740	

See reference notes following Station Index.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Continued

Season of 1959-1960

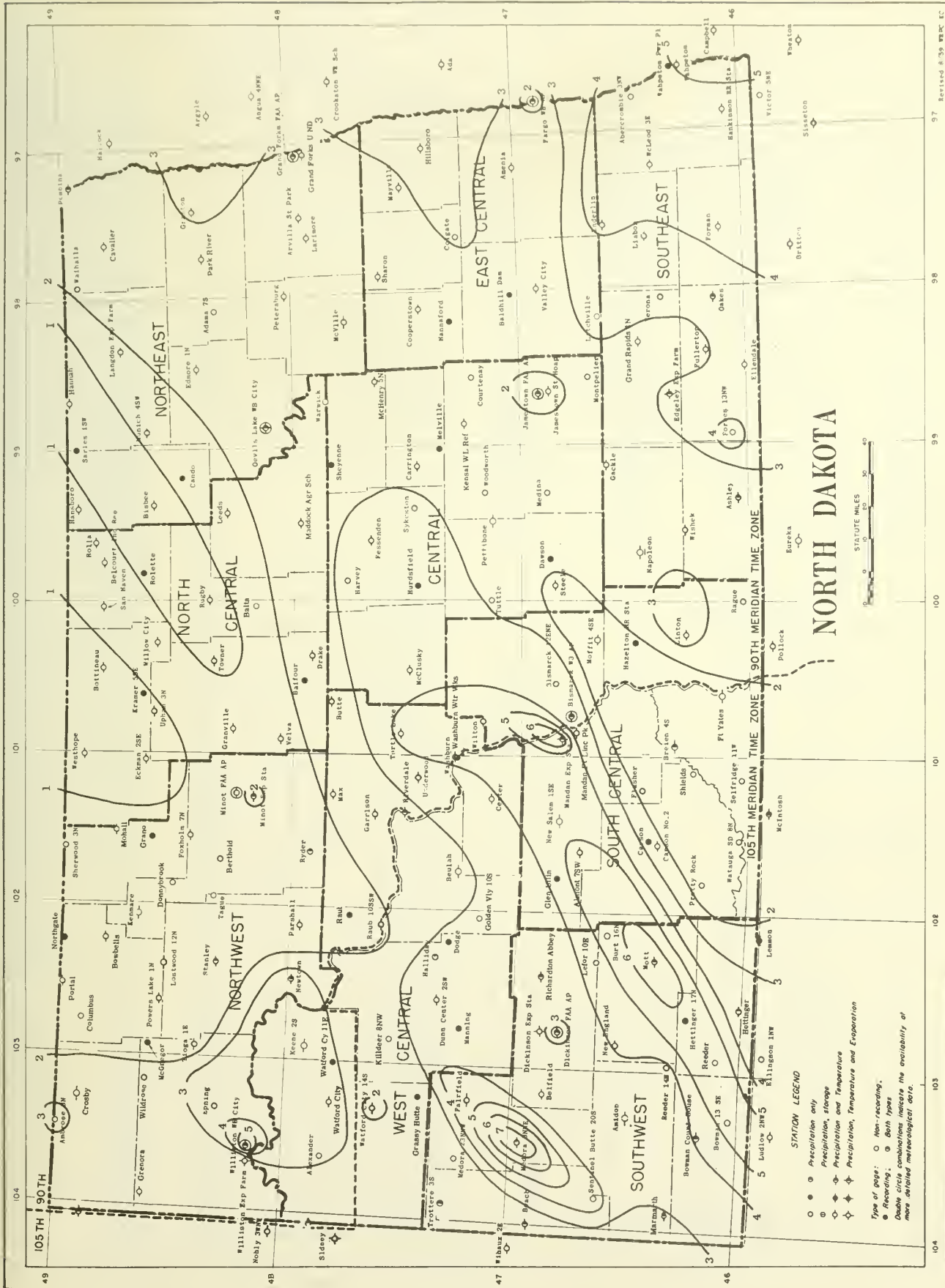
NORTH DAKOTA

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Normal July-June
ROLLA	27	33	367	919	1417	1354	1906	1626	1578	814	377	151	10569	
RUGBY	13	8	278	837	1338	1310	1838	1598	1539	712	294	95	9860	
SAN HAVEN	28	33	354	916	1414	1313	1928	1619	1569	795	348	148	10465	
SHARDN	24	13	264	838	1401	1307	1812	1606	1558	761	325	103	10012	
STANLEY	22	32	395	877	1335	1281	1796	1581	1461	739	384	147	10050	
STEELE	5	12	244	726	1278	1264	1686	1535	1470	643	296	103	9262	
TIOGA 1 E	36	36	362	897	1394	1333	1890	1674	1576	782	388	176	10544	
TOWNER	15	21	330	834	1355	1275	1859	1614	1508	707	323	118	9959	
TROTTERS 3 S		8	310	771	1245	1163	1606	1451	1295	660				
TURTLE LAKE	9	10	293	805	1320	1300	1743	1543	1446	667	287	118	9541	
UNOERWDD 4 ESE	28	29	330	843	1358	1290	1722	1553	1461	677	325	141	9757	
UPHAM 3 N	21	24	294	820	1367	1340	1922	1636	1478	712	357	124	10095	
VALLEY CITY	18		260	788	1292	1190	1757	1589	1479	759	265	111		
VELVA	7	13	303	793	1300	1247	1724	1513	1392	674	309	109	9384	
WAMPETON	1	4	173		1251	1153	1636	1469	1454	639	235	58		
WASHBURN	5	14			1271	1217	1667	1484	1407	644				
WATFORD CITY	11	15	293	775	1239	1177	1646	1449	1328	670	279	103	8985	
WATFORD CITY 14 S	20	17	275	769	1236	1154	1742	1456	1347	638	274	87	9015	
WESTHOPE	26	27	351	906	1408	1393	1985	1683	1588	769	364	135	10635	
WILLISTON WB CITY	10	18	312	788	1249	1153	1695	1511	1342	667	292	117	9154	9115
WILLISTON EXP FARM	23			920	1393	1326	1793	1651	1465	699	308	126		
WILLOW CITY	21	42	352	893	1395	1375	2000	1700	1634	781	399	150	10742	
WILTON	20	11	260	800	1318	1252	1681	1538	1465	670	321	141	9477	
WISHEK	34	48	277	795	1343	1265	1772	1632	1644	706	369	158	10043	

See reference notes following Station Index.

TOTAL PRECIPITATION

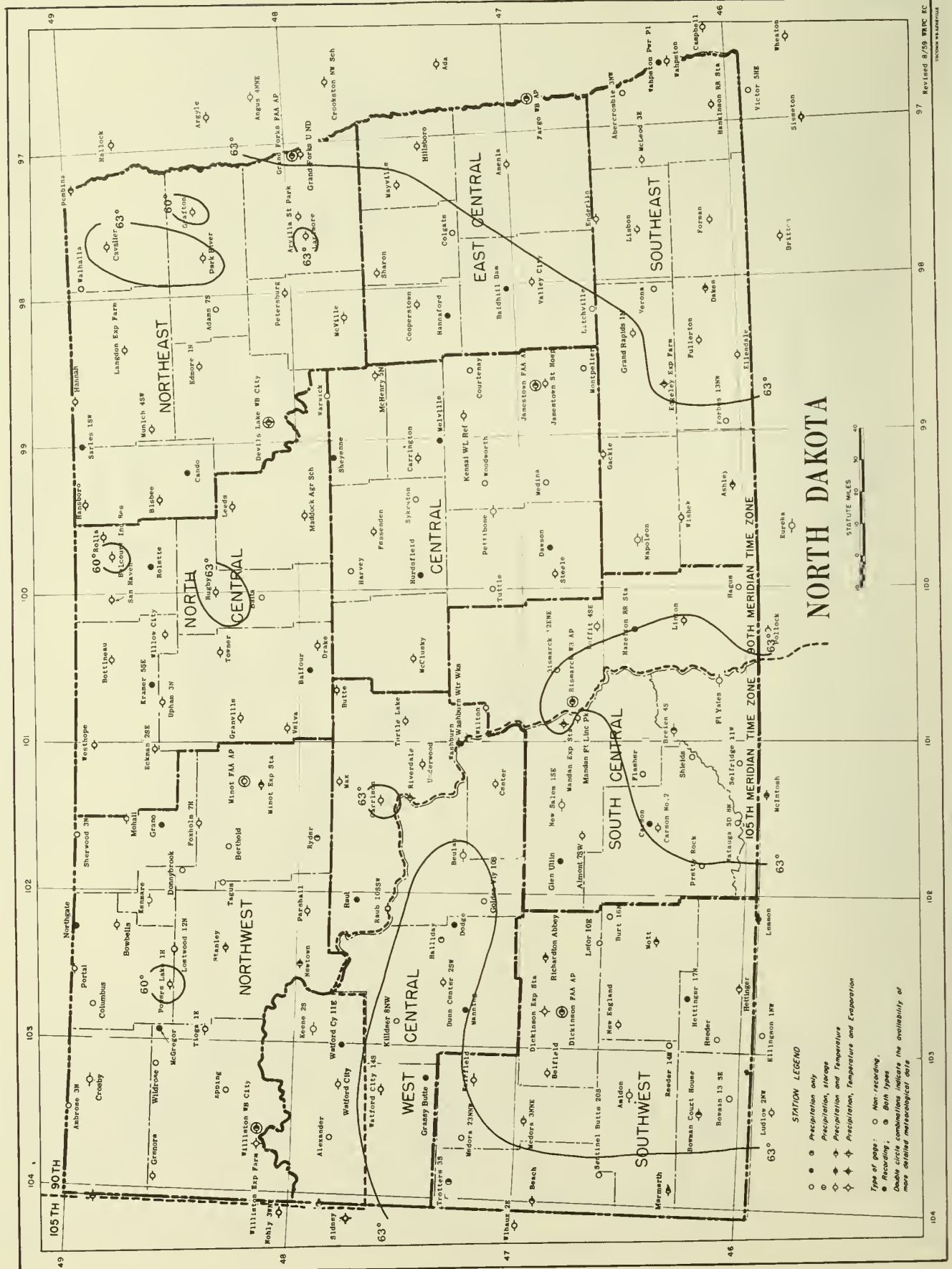
JUNE 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

JUNE 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

STATION INDEX

NORTH DAKOTA
JUNE 1960

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER				
							TEMP	PRECIP	EVAP	SPECIAL									TEMP	PRECIP	EVAP	SPECIAL					
ABERDEEN	0004	RICHMOND	10 46 27	96 45	931	8A					HELMER AMUNDSEN	PETITONE	7047	KIDDER	8 47 07	99 31	1855	7P					H. ARTHUR J. DEWEY				
ADAMS	0022	WALSH	10 48 20	98 06	1554	6P					MYRON J. BATA	PORTAL	7201	BURKE	12 49 00	102 33	1954	9A	9A				U. S. CUSTOMS OFFICE				
ALEXANDER 2 W	0094	MCENZIE	13 47 40	101 40	2170	7P					WILLIAM LAM	POWERS LAKE 1 N	7281	BURKE	8 48 34	102 38	2205	7P					HERBERT J. CLARY				
ALBANY 7 W	0316	MCINTOSH	4 48 23	101 39	2300	7P					H. HOSAN RUSLAND	PRETLY ROCK	7311	GRANT	1 48 10	101 51	2480	6P					FRIDA LEER				
AMBERST 3 N	1189	DIVIDE	12 49 00	101 28	2021	5P					U. S. BORDER STATION	RAIR	7405	MCLEAN	8 47 44	102 04	1885	6P					C. GEORGE A. HANSON				
AMNIA	0196	CASS	11 47 00	97 13	940	5S	55				H. VIRGIL L. GERTSE	BAIR 10 SW	7408	MCLEAN	8 47 36	102 06	1958	6P					LYLE P. HOLTAN				
ANIDON	0209	SLOPE	1 46 29	101 19	2910	8A	6P				H. FRED ELMER	BEEDER	7450	ADAMS	7 46 06	102 57	2810	6P					A. V. KITTLESON				
ARVILLA STATE PARK	0349	GRAND FORKS	10 47 54	97 30	760	6P	6P				VERNON C. IHOREN	REEDER 14 N	7452	ADAMS	1 46 19	102 57	2784	8A					CHAS. W. METZINGER				
ASHELI	0362	MCINTOSH	8 46 02	99 22	2001	5S	55				H. SOD LINE AGENT	RICHARDSON ABBEY	7530	STARK	4 46 53	102 19	2470	5P	3P				ASSUMPTION ABBEY				
BALMILL DAM	0450	BARNES	11 47 02	98 02	1100						U. S. CORPS OF ENGINEERS	RIVERDALE	7585	MCLEAN	8 47 30	101 21	1950	8A	8A	8A			U. S. CORPS OF ENGINEERS				
BALFOUR	0492	MCENRY	12 47 57	100 32	1615						C. EMIL ROGSTAD	ROLETTE	7655	ROLETTE	12 48 40	99 50	1630						C. HENRY JOHNSON				
BALTA	0500	PIERCE	11 48 10	100 02	1550	6P					ANTON SCHMALTZ	ROLLA	7664	ROLETTE	2 48 52	99 37	1810	7P	7P				THEO. D. FAGERLUND				
BEACH	0550	GOLDEN VALLEY	7 46 55	104 01	2824	6A	8A				H. LUIGER F. HODGINS	ROLLA	7704	PIERCE	12 48 22	100 00	1560	6P	6P				FRANK HORNSTEIN				
BELCOURT INDIAN RES	0524	ROLETTE	8 48 50	99 45	1900	7P					H. TURTLE MT INDIAN AGENCY	RYDER	7749	WARD	8 47 55	101 40	2108	6P					S. C. SCHELLENBAUM				
BELFLO	0619	STARK	4 46 51	103 11	2583	7P	7P				CARL INDORGAARD	SAN HAVEN	7824	ROLETTE	12 48 50	100 02	2001	6P	6P				STANLEY DOWNING				
BERTHOLO	0729	WARD	12 48 19	101 44	2080	6P					JOAN COX	SARLES 1 SW	7844	TOWNER	9 48 56	99 00	1602						C. DAVID E. MADLAND				
BETULAH	0766	WEICHER	6 47 16	101 47	1780	7P	7P				H. MONT DAK UTILITIES CO	SELFRIDGE 5 W	7952	SIoux	1 46 02	101 06	2229	6P					JOSEPH MOSSET				
BISMARK	0786	THAYER	2 48 37	99 22	1600	6P	6P				SENTINEL RUTTF 20 S	SHARON	7976	GOLDEN VALLEY	7 46 37	103 49	2467	7P					E. E. BURY				
BISMARK W AIRPORT	0819	BURLEIGH	8 46 46	100 45	1650	MID	WID				C. H. U. S. WEATHER BUREAU	SHARON	7986	STEELE	10 47 36	97 54	1516	8P	8P				H. HUGH LYON				
BISMARK 12 EME	0827	BURLEIGH	8 46 51	100 33	1709	8A					KYR TRANSMITTER	SHAWWOOD 3 N	8047	RENNVILLE	12 49 00	101 38	1647	6P					U. S. CUSTOMS OFFICE				
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A	8A				H. N. D. SCHOOL OF FORESTRY	SHAYENNE	8057	EDDY	11 47 50	99 07	1480							C. ALVIN H. KENNEDY			
BOWWILLS	0981	BURKE	12 48 48	102 15	1953	8A	8A				H. FELIX L. ADAMS	SHIELDS	8059	GRANT	1 46 14	101 07	1806	6P					JAMES W. RODENBROUGH				
BOWMAN COURT HOUSE	0928	BOWMAN	3 46 11	103 23	2980	5P	5P				ANDREW C. HIRSCH	SHIELDS	8276	MOUNTAIN	8 48 19	102 24	2260	7P	7P					H. G. EVANS			
BOWMAN 11 SE	0958	BOWMAN	3 46 02	103 18	2830	6P					GEORGE HIRSCH	STEELE	8366	KIDDER	8 46 51	99 55	1857	6P	6P					STEELE OZONE PRESS			
BREIN	1052	SIoux	1 46 24	100 56	1720	6P	6P				C. ANNA C. PEDERSON	STYKSTON	8608	WELLS	5 47 28	99 24	1634	4P						EDWARD SONDAK			
BUTTE	1225	MCLEAN	12 47 50	100 40	1885	8A	8A				H. SAM KRITSKY	TAGUS	8627	MOUNTAIN	12 48 20	101 56	2179	6P							W. R. ELLINGBOE		
CANDU	1288	TOWNER	2 48 29	99 32	1481						C. HARRY E. HARRIS	TIGSA 1 E	8737	WILLIAMS	8 48 24	102 55	2245	8A	8A						U. S. FISH AND WILDLIFE		
CARRINGTON	1360	FOSTER	4 47 27	99 08	1586	8A	8A				ANDREW C. H. HEINZ	TOWNER	8792	MCENRY	12 48 21	100 24	1482	7P	7P						JOHN O. NELSON		
CARSON	1370	GRANT	4 46 25	101 34	2310	8A	8A				H. JACOB STEWART	TROTTERS 3 S	8812	GOLDEN VALLEY	13 47 17	103 54	2420	6P	6P						WALTER L. REYNOLDS		
CAVALIER	1435	PEMBINA	9 48 48	97 38	889	6P	6P				H. WILLIE HANSEN	TURTLE LAKE	8840	MCLEAN	8 47 31	100 53	1889	6P							THEODORE C. OCHNEP		
CENTER	1456	OLIVER	8 47 07	101 18	2100	7P	7P				H. EREO L. HEINZ	TUTTLE	8850	KIDDER	8 47 08	100 00	1880	5P							FERDINAND KORNIG		
COLGATE	1686	STEELE	12 48 54	97 39	1930	6P	6P				JOHN D. BURCHMILL	UNDERWOOD 4 ESE	8872	MCLEAN	8 47 25	101 05	2001	6P	6P						U. S. FISH AND WILDLIFE		
COLUMBUS	1696	BURKE	12 48 54	102 47	1930	8A	8A				J. D. SUNDELL	UPHAM 3 N	8913	MCENRY	12 48 37	100 44	1425	5P	5P						GEORGE M. KENNEDY		
COOPERSTOWN	1766	GRIGGS	11 47 26	98 07	1428	5P	5P				OLAND M. MARSON	VALLEY CITY	8937	BARNES	11 46 55	98 00	1230	6P	6P							W. R. AYERS	
COURTNEY	1816	STUTSMAN	5 47 13	98 36	1923	6P					G. H. HANNAULT	VERMILION	8950	MCENRY	12 48 03	100 55	1311	6P							WARREN D. TANG		
CROSBY	1871	DIVIDE	12 48 54	103 18	1952	6P	6P				H. JOHN ANDRIST	WAMPETON POWER PLANT	9055	RICHMOND	10 46 17	98 36	762	6P							OTTER TAIL PWR PL		
DANFORTH	2018	KIDDER	8 46 52	99 45	1730	6P	6P				CECIL BILLINGTON	WAMPETON	9100	RICHMOND	10 46 16	98 36	760	6P	6P							WAMPETON WATER PLANT	
DEVILS LAKE W. CITY	2158	WARD	2 48 07	98 52	1471	MID	MID				C. H. U. S. WEATHER BUREAU	WAPKICK	9155	PEMBINA	9 48 55	97 55	950	6P								VIOL B. JOHNSON	
DICKINSON FAI AIRPORT	2183	STARK	4 46 47	102 48	2595	MID	7A				U. S. EED AVIATION AGENCY	WASHBURN	9195	MCLEAN	8 47 17	101 02	1740	5P	5P							JUDY BOPLAUS	
DICKINSON EXP STATION	2188	STARK	4 46 53	102 48	2460	7A	7A				LEONARD J. DINKINS	WATAGUS 5 DAKOTA 8 N	9219	GRANT	1 46 02	101 34	2074	6P							MARY E. KATUS		
DODGE	2215	DUNN	6 47 18	102 12	1989						ED. J. EVANS	WATFORD CITY	9233	MCENZIE	8 47 48	103 17	2100	8P	8P							H. JOHN PETERSON	
DUNN	2224	WARD	12 48 33	101 53	1760	6P					JOHN H. ZURCHER	WATFORD CITY 11 E	9246	MCENZIE	8 47 36	103 17	1965	5P	5P							THEO. ROOSEVELT HMP	
EDGELEY EXP FARM	2482	LA MOURE	5 46 20	98 42	1568	8A	8A				N. D. AGRICULTURE EXP STA	WESTHOPE	9333	BOTTINEAU	12 48 55	101 01	1508	9P	9P								HARRY KLINE
EDMORE 1 N	2525	RAMSEY	2 48 25	98 28	1520	6P	6P				H. WILLIAM E. COLLINS	WILBROSE	9400	WILLIAMS	8 48 38	103 10	2258	6P								JONATHAN WINK JEP	
ELLENDALE	2805	DICKEY	5 46 00	98 31	1460	8P	8P				MALCOLM D. GODDARD	WILLISTON W. CITY	9425	WILLIAMS	8 48 09	103 37	1877	MID	MID							C. H. U. S. WEATHER BUREAU	
EMERY	2895	RANSOM	9 47 34	97 36	1470	8A	8A				GEORGE M. SINCLAIR	WILLISTON EXP FARM	9450	PETERSON	8 48 09	103 41	2105	6P	6P							GEORGE KARSTEN	
EMPIRE	2935	WILLIAMS	8 48 17	103 21	2224	6P					E. F. CARPENTER	WILLOW CITY	9465	BOTTINEAU	12 48 36	100 17	1471	6P	6P							H. MRS. O. W. SANDERSON	
FAIRFIELD	2809	BILLINGS	7 47 11	103 13	2750	6P	6P				H. JOHN PETRYSCAK	WILSON	9455	MCLEAN	8 47 09	100 48	2171	6P								EDWIN PETERSON	
FARGO W. AIRPORT	2949	CASS	10 46 54	96 48	895	MID	MID				C. H. U. S. WEATHER BUREAU	WISNEK	9515	MCINTOSH	8 46 16	99 34	2010	8A	8A								J. W. HELLFORD
FESSENDEN	2949	WELLS	5 47 39	99 37	1620	6P	6P				H. ERIC E. RUSSELL	WOODMORTH	9575	STUTSMAN	5 47 09	99 18	2041	6P									CHESTER W. THOMPSON
FLASHER	3009	MORTON	10 46 21	101 14	1930	8A	8A				GEORGE M. SINCLAIR																
FORBES 13 NW	3044	DICKEY	5 46 04	98 56	1988	6P					THEODORE A. WIPCH																
FORMAN	3117	SARGENT	10 46 06	99 39	1249	6P	6P				H. ART WATERMAN																
FORT YATES	3207	SIoux	8 46 06	100 38	1640	8A	8A				H. SOIL CONSERVATIONIST																
FOYHILL 7 N	3217	WARD	12 48 27	101 34	1609	5P	5P				U. S. WILDLIFE REFUGE																
FULLERTON	3287	DICKEY	5 46 10	98 29	1439	6P	6P				H. F. O. ALIN																
GACKLE	3309	LOGAN	5 46 38	99 08	1951	6P	6P				ALVIN HUMMEL																
GAPRISON	3376	MCLEAN	8 47 38	101 25	1911	7A	7A				ALBERT J. BEIERLE																
GLEN ULLIN	3496	MORTON	4 46 49	101 49	2090						FREDERICK J. AMHORN																
GOLDEN VALLEY 10 S	3529	WEICHER	6 47 10	102 03	1870	7P	7P				ROBERT M. BACKFISCH																
GRAFTON	3594	WALSH	10 48 25	97 25	877	5P	5P				H. GRAFTON STATE SCHOOL																
GRAND FORKS FAA AIRPORT	3616	GRAND FORKS																									

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCMM-WB-ASHEVILLE---8-1D-60---825

CDRRECTIONS

FEBRUARY 1960: DEVILS LAKE, Supplemental Data Table, relative humidity averages should be 6:DDA 83, noon 73, and 6:DDP 79.

APRIL 1960: KEENE 2 S, Climatological Data Table, lowest temperature and date should be 18 on the 26th.



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FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

JULY 1960
Volume 69 No. 7



ASHEVILLE: 1960

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NORTH DAKOTA - JULY 1960

WEATHER SUMMARY

For the second consecutive year, July was dry. Below-normal precipitation occurred over most sections of the State. In most areas the precipitation deficiency was slightly more than one inch. Precipitation averages ranged from about one inch in the southwest to two and three-fourths inches in the east-central. The precipitation occurred mostly as thundershower activity during which tornadoes were observed on at least five days during the month. Hail damage exceeded 6.6 million dollars.

The cool June temperatures carried over into July for a period of about a week. During this week minimum temperatures in the eastern counties along the Canadian border fell into the upper thirties. With the exception of the eastern division, 100° maximum temperatures were experienced in all other sections of the State with the southwestern and west-central areas experiencing the greatest number of 100° occurrences. Watford City 14 S, the station in the north unit of the Roosevelt National Park, experienced twenty-five days of 90° temperatures, of which nine reached 100° or more. At Bismarck, there were nineteen days of 90° temperatures which is the greatest number of 90° days since 1936. While July of this year was warmer than usual, it did not compare to those in the middle thirties.

Sanford R. Miller
State Climatologist
U. S. Weather Bureau
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 111° on the 21st at Marmarth

Lowest Temperature: 35° on the 3d at Langdon Exp Farm

Greatest Total Precipitation: 4.55 inches at Medina

Least Total Precipitation: 0.15 inch at Adams 7 S

Greatest one-day Precipitation: 3.56 inches on the 2d at Hillsboro

SUPPLEMENTAL DATA

NORTH DAKOTA
JULY 1960

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent			Number of days with precipitation									
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total	Percent of possible sunshine	Average sky cover
BISMARCK WB AIRPORT	ENE	10	9.6	45	W	2	60	70	38	33	6	1	2	0	0	0	9	88	4.1
DEVILS LAKE WB CITY	N	-	6.9	34	N	29	-	86	52	46	3	5	2	0	1	0	11	78	3.5
FARGO WB AIRPORT	S	18	12.8	57	N	29	80	86	51	50	4	1	1	1	1	0	8	78	4.0
WILLISTON WB AIRPORT	NE	-	5.8	28	NW	3	-	76	45	34	4	3	3	0	0	0	10	75	4.2

CLIMATOLOGICAL DATA

Station		Temperature													Precipitation																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No of Days																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
											Max	Min.	99° or Above	32° or Below					32° or Below	8° or Below	Total	Departure From Long Term Means	Greatest Day	Date	Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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CLIMATOLOGICAL DATA

NORTH DAKOTA
JULY 1960

Continued

Station	Temperature													Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days						
										Max		Min.						Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More				
										31° or Above	32° or Above	22° or Below	0° or Below														
TURTLE LAKE	88.8	57.5	73.2		103	20	45	30	11	15	0	0	0	.49		.31	2	.0	0		2	0	0				
UNOERWOOD 4 ESE	87.8	57.3	72.6		103	20	45	30	14	11	0	0	0	1.17		.50	16	.0	0		4	1	0				
WASHBURN	88.0M	57.5M	72.8M	0.8	104	20	44	30	10	0	0	0	0	1.82	- .53	.80	4	.0	0		4	1	0				
WATFORO CITY	90.4	58.7	74.6		110	20	45	30+	9	17	0	0	0	.84		.31	24	.0	0		4	0	0				
WATFORO CITY 14 S	94.2	58.9	76.6		110	20	43	30	7	25	0	0	0	.19		.11	24	.0	0		1	0	0				
WILTON	87.0	57.0	72.0		102	23+	46	3	18	11	0	0	0	1.32		.94	4	.0	0		3	1	0				
OIVISION			72.9	2.8										1.04	- 1.34			.0									
CENTRAL OIVISION																											
CARRINGTON	AM	84.2	54.2	69.2	- 0.5	98	21	43	30	35	7	0	0	2.06	- .58	.95	11	.0	0		4	1	0				
FESSENCO		87.3	56.0	71.7	1.5	101	20	41	30	18	13	0	0	1.09	- 1.73	.90	2	.0	0		2	1	0				
JAMESTOWN FAA AIRPORT	R//	85.4	55.8	70.7		97	23+	43	30	17	9	0	0	2.72		1.08	2	.0	0		4	2	2				
JAMESTOWN STATE HOSP		87.0	57.2	72.1	0.3	100	20	46	30	11	11	0	0	2.97	.24	1.23	25	.0	0		4	2	2				
KENSAL WILDLIFE REFUGE		88.0	55.0	71.5		98	24	40	30	18	12	0	0	2.31		.73	11	.0	0		4	3	0				
MC CLUSKY		89.0	56.6	72.8	2.1	105	20	42	30	14	15	0	0	.59	- 1.55	.36	2	.0	0		2	0	0				
MC HENRY 5 N		84.5	54.3	69.4		96	31+	40	30	33	6	0	0	3.47		.95	11	.0	0		5	3	0				
PETTIBONE		87.0	56.2	71.6	1.1	101	20	40	30	19	11	0	0	1.12	- 1.60	.50	2	.0	0		4	1	0				
STEELE		86.9	57.5	72.2	1.7	100	20	46	30	18	13	0	0	2.08	- .43	1.08	2	.0	0		3	3	1				
OIVISION			71.2	1.2										2.05	- .61			.0									
EAST CENTRAL OIVISION																											
AMENIA		85.1	56.3	70.7		96	20	45	4	12	8	0	0	2.81		2.15	10	.0	0		2	2	1				
COOPERSTOWN		86.6	55.9	71.3		97	20	42	30	22	9	0	0	2.96	.45	1.49	11	.0	0		3	2	1				
FARGO WB AIRPORT	R//	85.4	57.4	71.4		100	20	44	4	23	7	0	0	2.40	.09	1.39	10	.0	0		3	2	1				
HILLSBORO		85.5	56.7	71.1	- 0.5	97	20	46	31+	12	7	0	0	4.04	1.04	3.56	2	.0	0		3	1	1				
MAYVILLE		84.4	56.2	70.3	- 1.5	98	20	44	3	29	7	0	0	2.29	- .27	1.37	2	.0	0		3	2	1				
SHARON		83.4	54.7	69.1	- 1.0	93	20	42	3	27	6	0	0	3.47	.81	1.70	11	.0	0		4	3	1				
VALLEY CITY		84.0	54.6	69.3	- 2.4	95	23+	38	30	36	6	0	0	1.17	- 1.64	.60	2	.0	0		3	1	0				
OIVISION			70.5	- 0.7										2.73	.06			.0									
SOUTHWEST OIVISION																											
AMIOON	AM	88.7M	57.9M	73.3M		104	24+				14	0	0	2.36		1.33	12	.0	0		7	1	1				
BEACH	AM	88.9	57.2	73.1		108	21	44	30	18	16	0	0	.90		.38	2	.0	0		3	0	0				
BELFIELD		89.5	58.1	73.8	2.7	105	20	47	5+	11	17	0	0	.62		.23	2	.0	0		2	0	0				
BOWMAN COURT HOUSE		87.7	59.1	73.4		105	20	49	30	9	16	0	0	1.50		.90	1	.0	0		2	1	0				
OICKINSON FAA AIRPORT	R//	87.9	55.0	71.5	1.7	107	21	40	30	25	15	0	0	.58	- 1.42	.14	17	.0	0		4	0	0				
OICKINSON EXP STATION	AM	87.5	58.0	72.8		107	20	45	3	16	12	0	0	.36		.18	24	.0	0		1	0	0				
FAIRFIELD		88.1	59.3	73.7	1.7	106	20	47	30	14	13	0	0	.84	- 1.14	.47	2	.0	0		4	0	0				
HETTINGER		90.4	55.6	73.0	0.9	111	21	43	30+	17	18	0	0	1.02	- .90	.35	12	.0	0		5	0	0				
MARMARTH	AM	92.0M	52.2M	72.1M		109	20	41	30+	11	19	0	0	1.77		1.16	24	.0	0		4	1	1				
MEDORA 3 NNE		88.3	55.5	71.9	0.1	104	20	42	30	13	14	0	0	.52	- 1.45	.36	11	.0	0		1	0	0				
MOTT		88.2	56.2	72.2	0.1	106	20	44	30	12	15	0	0	1.34	- 1.05	.66	12	.0	0		4	1	0				
NEW ENGLAND		88.8	59.1M	74.0M	3.2	105	20	45	30	9	15	0	0	.74	- 1.85	.33	2	.0	0		3	0	0				
RICHAROTON ABBEY		88.7	58.1	73.4		109	20	46	5+	16	15	0	0	1.00		.42	24	.0	0		2	0	0				
TROTTERS 3 S																											
OIVISION			72.9	1.9										1.04	- 1.07			.0									
SOUTH CENTRAL OIVISION																											
ALMONT 7 SW		87.9	60.4	74.2		102	20	47	3	10	15	0	0	1.36		.42	2	.0	0		5	0	0				
BISMARCK WB AIRPORT	R//	90.4	57.9	74.2	2.1	108	20	43	30	7	19	0	0	.68	- 1.65	.45	2	.0	0		2	0	0				
BRIEN		92.7M	55.9M	74.3M		110	20	43	30	10	21	0	0	.89		.41	2	.0	0		3	0	0				
CARSON	AM	88.3	58.6	73.5	1.8	105	21	44	30	7	16	0	0	2.62	.53	1.44	17	.0	0		7	1	1				
FORT YATES	AM	91.4M	58.8M	75.1M	2.0	108	21	42	30	5	19	0	0	1.53	- .48	.75	26	.0	0		4	1	0				
LINTON		91.3	56.0M	73.7M	0.9	108	20	40	30	5	22	0	0	1.06	- 1.41	.64	2	.0	0		2	1	0				
MANOAN EXP STATION	AM	87.0	58.0	72.5	0.7	106	21	44	30	15	12	0	0	.70	- 1.63	.44	5	.0	0		2	0	0				
MANOAN FT LINCOLN PARK		90.3	56.6	73.5		109	20	42	30	12	16	0	0	1.42		1.04	2	.0	0		2	1	1				
MOFFIT 4 SE		90.0M	54.8M	72.4M		106	21+	39	30	20	0	0	0	.91		.62	2	.0	0		2	1	0				
NEFF SALEM 1 SE		88.9	59.4	74.2	3.1	104	20	46	30	9	15	0	0	1.23	- .98	.65	2	.0	0		4	1	0				
OIVISION			73.8	1.9										1.24	- 1.02			.0									
SOUTHEAST OIVISION																											
ASHLEY		86.4M	55.6M	71.0M	0.4	101	20	43	30	19	11	0	0	2.15	- .50	.73	2	.0	0		5	2	0				
EOGELEY EXP FARM	AM	84.6	55.5	70.1	- 0.9	100	21	43	30	28	11	0	0	1.08	- 1.49	.50	3	.0	0		3	1	0				
ELLENDALE		88.2	58.3	73.3	1.4	104	21	48	30	10	15	0	0	1.03	- 1.81	.90	2	.0	0		1	1	0				
ENOERLIN	AM	85.7	55.9	70.8		99	21	43	30	28	11	0	0	1.25		.50	5	.0	0		4	1	0				
FORMAN		88.0	58.2	73.1		102	21	41	30	12	13	0	0	1.66	- 1.47	.83	2	.0	0		3	2	0				
FULLERTON		87.5	56.3	71.9	- 0.3	100	21+	43	30	10	14	0	0	1.63	- .84	.91	2	.0	0		4	1	0				
GACKLE		86.7	58.1	72.4		102	20	44	30	14	12	0	0	2.44		1.25	2	.0	0		4	2	1				
GRAND RAPIDS 1 N		87.2	55.7	71.5		100	20	40	30	17	13	0	0	1.58		.88	2	.0	0		2	2	0				
HANKINSON R R STATION	AM	83.8	58.2	71.0	- 1.5	99	21	42	1	27	8	0	0	.88	- 1.58	.33	2	.0	0		4	0	0				
LISBON		87.1	57.2	72.2	0.5	99	21+	44	30+	15	12	0	0	1.73	- .80	.70	2	.0	0		3	2	0				
MC LEDO 3 E		86.9	57.8	72.4	0.4	100	20	44	30	16	13	0	0	1.21	- 1.64	.77	2	.0	0		3	1	0				
NAPOLEON		87.2	57.4	72.3	1.5	100	23+	41	30	18	13	0	0	1.93	- .96	.90	24	.0	0		5	1	0				
OAKES		85.8	59.0	72.4	0.4	99	21+	47	30	14	12	0	0	1.68	- .81	1.27	2	.0	0								

DAILY PRECIPITATION

NORTH DAKOTA
JULY 1960

[illegible]

See reference notes following Station Index.

DAILY PRECIPITATION

NORTH DAKOTA
JULY 1960

Continued

		Day of Month																															
Station	Total	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
POWERS LAKE 1 N	1.61		1.00	.11	.10					.17	.07	.11					.15	T				T				.05							*
PRETTY ROCK	1.92		.20	T	.11				1.31			T	.03						.12							.05							*
RAUB 10 SSW	1.06				.31														.70							.10							*
REEDER	.92		.74		T								.08										T	.10		.07							*
REEDER 14 N	1.48		.59			.09							.63	T																			*
RICHAROTON ABBEY	.74		.33		.12							.02		.01					.25				T			.01					.02		*
RIVEROALE	//	.79	.01	.27	.05	.13								.08				.23				.33			.03					.01			*
ROLLA	.76		.11		.11						.14	T													.03					.03			*
RUGBY	1.09		.30	.02	.36						.09	.20	.09						.17							.10							*
RYOER	1.67		1.27								T																						*
SAN HAVEN	1.44		.53		.34						.16		.05						.14				.30		.06						T		*
SELFRIDGE 5 W	1.88		.35	.18	.52													.69								.64							*
SENTINEL BUTTE 20 S	3.02		1.00		.21							.34	.83						.67							.36							*
SHARON	3.47		.70								T	1.70		.04									.06										*
SHFRWOOD 3 N	2.65		.88	.01	.05					.08	.25	1.32																					*
SHIELOS	.76		.40	.05	.05														.24							.02							*
STANLEY	2.37		1.39	.09	.46					.08	.10								.06				.16			.03							*
STEELE	2.08	T	1.08		.50							T								.23			T			.03							*
SYKESTON	.85		.50		.06							.03	T																				*
TAGUS	1.43		1.10	T	.05	.17						.10	.01					T				T											*
TIOGA 1 E	1.05		.10		.55	.22					.04		.04													.05							*
TOWNER	.56		.40	.06										.03		.01							.02	.02		.03					.03		*
TROTTERS 3 S	1.00		.06	.01	.01	.01					T	.36	.05					T							.42						.01		*
TURTLE LAKE	.49		.31		.13								.04						.04	.34						.03							*
TUTTLE	1.63		.97		T	.13								.12																	.03		*
UNDERWOOD 4 ESE	1.17		.37		.11								.16						.50			T								.02			*
UPHAM 3 N	.75		.19	.14	.05						.15		.07							T						.13	.25						*
VALLEY CITY	1.17		.60		.05	.07						.20																					*
VELVA	2.53		.87										1.03						.01	.61			.01										*
VERONA	1.71		.74		.02	.50														.45						T							*
WAMPETON	1.21		.14	.44	.01	.13																					.04					.07	*
WALHALLA	1.07		.25								.50	.45	.20	.05												T							*
WARWICK	2.05		.68	.07	T							.04	.63	.17						.46													*
WASHBURN	1.82		.40		.80													.15														T	*
WATAUGA S OAKOTA 8 N	1.07		.70		T								.37																				*
WATFORD CITY	.84		.20		.18							.15															.31						*
WATFORD CITY 14 S	.19																			.08						.11							*
WESTHOPE	2.41		.50	T	1.14						.30	.07	.05								.35					T					T		*
WILOROSE	1.45		.82		.34								.12												.17								*
WILLISTON WB CITY	R//	.89	.34	.06	T						T		.04					T					.10		.32	.03							*
WILLISTON EXP FARM	.47		.19		.10						T												.09		.07							.03	*
WILLOW CITY	1.28		.24	T	.85								.11	T												.05							*
WILTON	1.32		.22	.04	.94							.02	.10														1.22						*
WISHEK	2.32		.87		.23								T																				*
WOODWORTH	1.50		.40		.25												.05		.25	.05					.50								*

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
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Station		Day Of Month																																Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	MAX	90	76	74	71	73	80	87	90	94	96	86	85	76	89	95	91	84	87	95	102	92	89	100	90	90	92	98	88	82	86	97	87.9	
	MIN	56	57	47	54	49	51	57	63	63	63	67	62	54	54	61	62	62	63	63	69	69	64	66	71	57	58	64	70	65	50	60	60.4	
AMENIA	MAX	84	82	78	71	76	83	86	85	88	84	82	81	69	82	89	80	83	85	90	96	93	85	92	94	90	89	89	88	90	80	94	85.1	
	MIN	50	60	58	45	50	49	52	53	57	64	59	57	56	47	57	58	57	60	60	62	70	62	52	71	60	61	56	57	51	47	48	56.3	
AMIOON	MAX		89	74	72	72		83	89	94	98	94	86	83	77	87	94	94	89	91	98	104	96	95	104	76			96	92	79		88.7	
	MIN	55	49	44	46	50		56	56	62	64		56	55	60	62	63	59	64		67			67	56	50	68	58	64				57.9	
ARVILLA STATE PARK	MAX							91	88	86	86	86	86	70	87	92	91	87	90	90	98	97	88	92	96	93	89	94	88	86	88	98		89.8
	MIN							56	61	60	55	53	52	40	62		66	53	56				51	50	71	50	56	51	60	50	46	50	55.7	
ASHLEY	MAX	82			72	70	76	83	82	83	91	87	82	75	77	93	91	86	85	92	101	99	85	96	92	88	89	91	91	89	84	93	86.4	
	MIN	51			46	49	45	51	60	63	62	63	60	52	50	50	56	56	57	59	65	70	62	60	59	51	51	53	61	57	43	51	55.6	
BEACH	MAX	79	91	74	77	72	74	85	89	94	102	95	88	87	81	90	98	92	88	91	101	108	94	90	102	84	86	91	97	90	79	88	86.9	
	MIN	56	58	45	51	45	49	58	58	56	59	63	53	55	58	58	59	58	55	62	69	69	66	66	65	50	48	61	62	61	44	56	57.2	
BELCOURT INDIAN RES	MAX	81	80	69	67	73	79	86	87	88	89	82	79	72	85	91	85	85	84	91	100	98	83	90	89	80	80	92	86	76	78	90	83.7	
	MIN	50	53	44	46	38	46	54	60	60	67	60	46	51	42	63	56	51	53	58	65	66	57	55	66	47	52	49	54	51	54	44	53.5	
BELFIELD	MAX																																	
	MIN																																	
BEULAH	MAX	90	86	76	75	75	83	91	94	96	97	93	90	77	93	97	92	87	91	99	108	98	91	104	94	88	92	99	91	86	87	101	91.0	
	MIN	57	60	46	53	49	47	55	64	63	66	68	60	60	61	59	61	63	66	55	70	72	65	67	72	47	47	50	60	66	42	51	58.8	
BISBEE	MAX	85	69	73	71	76	89	90	91	90	91	83	83	76	90	95	83	87	86	95	105	89	87	94	94	85	84	96	92	80	80	95	86.6	
	MIN	54	55	47	48	45	49	53	59	60	67	57	53	52	47	63	59	57	58	62	66	68	55	54	70	50	55	45	60	55	45	50	55.7	
BISMARCK W8 AIRPORT	MAX	90	75	74	73	75	82	90	91	93	97	89	87	77	92	99	92	89	92	99	108	94	89	105	99	93	95	101	91	86	85	100	90.4	
	MIN	60	60	51	52	51	51	56	66	65	67	69	63	57	53	62	61	65	60	59	72	67	61	58	57	49	50	51	56	52	43	51	57.9	
BOTTINEAU	MAX	68	84	71	70	69	74	82	89	89	90	93	80	82	72	88	94	82	89	90	94	102	86	86	94	87	83	85	94	83	73	84	84.1	
	MIN	51	55	48	53	44	47	52	62	68	64	62	53	52	50	62	60	57	59	62	68	66	60	58	65	48	52	54	56	57	41	52	56.1	
BOWBELLS	MAX	72	86		75	71	76	84	92	92	95	93	81	86	78	93	86	89	91	97	105	90	88	98	90	86	85	94	86	82	85	96	87.4	
	MIN	53	58		45	43	49	52	59	63	62	61	54	43	50	63	58	59	56	60	64	67	60	64	52	50	52	53	56	58	41	56	55.4	
BOWMAN COURT HOUSE	MAX	88	79	75	75	73	80	85	90	95	95	94	82	82	90	95	90	87	89	98	105	96	92	103	97	86	93	98	93	87	86	98	89.5	
	MIN	57	48	47	52	47	52	52	57	59	62	64	58	55	54	55	54	62	70	60	72	68	63	67	55	53	53	69	63	57	58	59	58.1	
BREIEN	MAX	95	83	76	78	76	83	90	92	95	101	91	89	80	95	101		89	93	100	110	100	91	105	100	97	98	101	97	88	88	100	92.7	
	MIN	55	58	46	48	47	44	50	61	61	64	69	64	56	50	55		61	58	55	70	62	62	58	71	44	44	51	58	58	43	53	55.9	
BUTTE	MAX	73	87	66	71	70	75	80	80	87	88	93	80	85	75	88	94	83	86	89	94	102	90	86	100	92	86	87	98	85	80	84	85.0	
	MIN	51	56	47	53	46	51	57	58	61	62	59	53	50	52	60	60	60	59	62	71	65	59	86	100	92	86	87	98	85	80	84	56.5	
CARRINGTON	MAX	70	85	70	69	70	73	80	86	88	83	92	81	82	72	87	94	85	86	84	93	98	89	84	97	93	87	88	94	84	85	80	84.2	
	MIN	49	56	49	49	46	49	52	62	59	62	60	56	52	46	53	62	56	60	62	64	63	50	51	58	49	53	51	56	54	43	48	54.2	
CARSON	MAX	75	92	78	75	71	75	81	88	90	96	99	85	86	79	90	76	97	84	87	95	105	95	87	100	90	90	91	98	90	85	86	88.3	
	MIN	55	57	46	55	50	55	58	59	62	65	68	60	55	56	59	61	59	59	62	64	67	63	61	70	53	50	60	64	65	44	56	58.6	
CAVALIER	MAX	79	76	72	74	78	85	91	93	90	90	85	83	76	87	87	85	90	87	87	99	95	85	88	94	88	85	95	93	81	81	96	86.3	
	MIN	52	55	48	43	49	46	63	63	61	65	59	56	53	45	63	58	55	59	56	65	69	56	52	71	54	61	57	63	54	51	52	56.6	
CENTER	MAX	89	72	74	74	74	80	86	90	93	95	83	87	75	90	88	87	85	89	95	105	90	88	103	92	87	90	100	88	80	84	99	87.5	
	MIN	55	59	45	50	48	48	60	60	57	70	57	70	52	49	57	58	60	57	54	65	62	60	68	67	45	45	57	55	56	40	53	56.3	
COOPERSTOWN	MAX	85	85	70	70	74	80	88	88	90	88	86	83	81	85	94	86	87	85	90	97	96	85	95	95	88	87	93	88	88	81	96	86.6	
	MIN	53	55	44	49	45	48	52	59	60	65	59	57	52	48	60	62	53	58	62	65	68	59	57	73	53	54	56	58	56	42	55	55.9	
CROSSBY	MAX	83	81	71	67	74	81	89	90	95	92	86	83	78	92	96	94	89	91	100	99	89	90	97	94	84	85	93	91	84	85	95	87.7	
	MIN	53	52	48	48	46	51	53	58	60	52	60	52	48	55	61	59	58	57	57	62	67	60	66	62	47	53	54	57	59	43	55	55.3	
DEVILS LAKE W8 CITY	MAX	85	70	69	69	75	81	89	91	87	88	80	84	70	85	92	81	87	85	90	99	86	84	93	95	86	86	95	84	81	80	95	84.6	
	MIN	57	49	46	50	44	52	57	65	63	60	59	54	52	49	65	61	57	60	63	69	63	57	58	66	57	57	59	60	54	45	55	56.9	
DICKINSON FAA AIRPORT	MAX	91	75	74	68	73	80	86	90	95	93	84	86	78	89	93	90	87	90	99	105	94	90	103	82	87	91	96	90	79	86	96	87.7	
	MIN	57	54	51	53	50	51	57	60	60	66	66	59	58	58	63	63	61	59	62	70	68	64	64	57	54	56	60	69	54	49	60	59.1	
DICKINSON EXP STATION	MAX	77	90	76	76	73	73	82	88	92	98	96	86	87	79	81	96	90	82	91	101	107	95	92	104	81	86	92	97	91	80	87</		

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Station	Day Of Month																																	Average										
	MAX	MIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31											
MOTT	90	55	79	59	74	49	72	50	76	46	81	47	87	54	91	57	96	56	82	60	82	58	77	55	91	54	95	54	83	88	96	104	91	89	101	89	89	91	97	89	82	86	96	88.3
MUNICH 4 SW	84	52	74	54	70	42	74	40	81	44	89	50	89	56	89	60	90	82	81	75	87	93	78	87	87	90	101	91	84	91	92	82	85	93	85	76	80	94	85.3	53.1				
NAPOLEON	82	53	76	60	70	52	72	50	70	48	80	51	86	51	87	62	94	90	84	63	60	90	89	95	90	88	86	94	100	95	84	100	95	88	91	92	89	86	80	94	87.2	57.4		
NEW ENGLAND	89	52	75	55	75	45	72	55	73	45	80	58	91	57	96	56	95	88	85	78	90	94	91	86	89	98	106	95	90	102	80	86	93	96	90	80	87	99	88.2	56.2				
NEW SALEM 1 SE	90	58	75	58	77	47	70	53	73	45	85	52	87	54	89	60	94	86	85	78	90	94	91	86	89	98	106	95	90	102	80	86	93	96	90	80	87	99	88.9	59.4				
NEWTOWN	86	56	85	56	74	47	70	52	74	47	80	50	90	54	90	62	94	92	86	77	90	96	96	88	90	98	102	100	88	99	98	83	85	92	86	85	85	99	88.8	57.4				
OAKES	80	50	76	59	69	50	73	54	71	49	77	50	84	50	84	63	90	87	81	79	83	91	91	85	84	91	99	99	89	96	97	90	88	89	91	92	78	92	85.8	59.0				
PARK RIVER	83	52	72	56	71	43	74	44	78	45	84	50	90	62	92	89	87	85	80	87	95	93	92	88	92	100	99	88	92	96	89	88	96	95	85	81	97	88.0	57.1					
PARSHALL	88	53	86	51	75	45	68	51	75	45	82	50	92	60	96	63	96	92	88	78	94	99	97	89	93	99	104	94	88	101	100	85	88	96	93	86	86	98	90.2	56.3				
PEMBINA	74	50	72	51	69	46	72	48	74	46	84	51	88	59	87	62	87	85	80	73	83	83	85	85	83	83	94	89	84	86	92	82	90	86	77	77	78	92	82.7	53.8				
PETERSBURG	85	52	70	55	69	42	70	45	75	42	82	52	88	52	89	62	85	82	71	85	93	87	87	85	89	98	94	84	91	94	88	86	93	89	82	80	95	85.1	55.4					
PETTIBONE	84	52	83	56	67	49	74	52	70	49	79	51	86	51	87	61	92	88	84	79	90	97	87	87	87	95	101	89	82	100	96	90	91	96	87	86	84	97	87.0	56.2				
PORTAL	74	53	81	56	66	44	78	51	62	75	50	80	89	90	61	94	92	79	82	75	91	94	84	86	88	98	101	87	88	96	78	80	82	90	84	72	82	83.8	56.2					
POWERS LAKE 1 N	85	60	68	58	72	46	69	54	74	48	78	54	88	59	92	61	91	76	84	75	90	93	85	89	90	98	106	88	87	96	88	83	85	95	88	83	85	97	86.0	57.3				
RAUB 10 SSW	90	56	87	58	76	47	69	50	80	45	85	59	89	61	96	62	94	83	87	75	93	95	86	85	91	98	105	96	89	103	95	88	97	90	84	92	100	89.6	60.1					
RICHAROTON ABBEY	90	55	86	55	75	46	74	52	73	49	81	55	88	55	90	61	96	90	86	81	91	95	89	85	88	97	105	99	88	100	90	84	69	96	90	82	84	97	88.8	59.1				
RIVEROALE	74	53	85	57	68	47	72	48	69	73	80	55	88	59	60	60	94	80	84	73	89	94	83	86	90	96	104	91	86	102	88	85	88	96	84	77	83	85.2	57.0					
ROLLA	80	54	73	56	70	47	69	54	74	48	80	58	89	63	89	60	90	79	80	68	85	90	79	85	94	90	100	89	83	90	89	81	81	92	84	74	77	92	83.0	56.6				
RUGBY	86	56	84	56	70	45	75	52	77	48	81	55	90	90	91	63	94	84	83	74	90	96	94	90	89	97	105	104	88	100	97	86	86	97	95	83	82	96	88.6	58.0				
SAN HAVEN	82	50	77	53	69	48	68	51	74	46	80	55	86	59	62	67	81	88	88	67	61	58	72	85	92	90	86	85	92	99	88	84	91	99	81	82	91	84	77	91	84.7	56.7		
SHARON	82	52	80	55	68	42	69	55	75	48	80	58	85	59	62	65	84	83	81	75	81	90	86	85	83	88	93	90	84	90	90	84	84	85	88	85	78	91	83.4	54.7				
STANLEY	88	54	81	54	74	49	66	54	73	49	79	50	89	61	59	63	93	80	85	76	91	95	88	89	90	96	105	95	86	97	99	82	85	94	86	80	84	97	86.6	56.4				
STEELE	84	53	70	54	72	48	71	50	73	48	78	53	81	63	86	63	93	90	84	75	87	95	90	87	87	96	100	99	88	99	98	88	91	95	90	85	82	95	86.9	57.5				
TIOGA 1 E	77	54	75	48	68	42	75	47	69	76	81	56	81	59	90	64	94	82	87	78	92	92	97	85	89	90	100	105	91	88	97	79	82	86	95	87	75	86	85.8	55.2				
TOWNER	87	44	84	56	72	49	75	47	77	83	91	53	92	59	61	67	98	80	87	78	92	98	88	91	92	97	105	100	89	101	93	86	86	97	91	84	84	97	89.2	54.7				
TROTTERS 3 S	88	56	74	58	77	46	73	50	76	49	85	57	90	62	87	62	97	87	87	81	92	67	91	88	92	103	109	95	93	102	83	84	89	95	95	77	87	99	88.7	58.1				
TURTLE LAKE	88	56	87	57	72	47	72	53	75	48	80	52	88	52	62	62	95	94	85	77	90	95	93	88	90	95	103	99	87	100	94	88	91	98	91	81	85	98	88.8	57.5				
UNDERWOOD 4 ESE	86	55	83	56	72	49	71	52	72	48	78	53	86	60	61	66	94	89	85	88	89	94	84	86	88	95	103	99	85	101	95	85	89	97	91	79	83	97	87.8	57.3				
UPHAM 3 N	86	50	84	55	73	46	72	55	77	42	80	54	94	61	93	61	97	95	82	77	93	95	82	92	91	98	108	107	88	96	89	87	88	98	97	76	85	99	89.8	55.2				
VALLEY CITY	81	50	78	56	67	46	69	46	72	46	78	49	84	57	60	64	86	84	80	78	82	89	87	84	83	91	95	93	86	95	93	84	52	55	88	86	76	91	84.0	54.6				
VELVA	90	59	85	56	72	47	69	54	77	42	82	51	91	63	93	70	95	88	87	75	90	95	87	87	90	94	102	90	87	102	89	86	88	98	91	85	96	88.4	57.2					
WAHPETON	80	50	80	61	79	48	78	52	74	48	80	52	85	60	63	65	83	83	82	82	80	88	90	89	86	93	99	99	99	93	95	95	89	89	91	91	89	92	87.2	58.7				
WASHBURN	90	57	71	59	75	47	75	56	76	48	81	56	90	62	63	67	97	83	87	75	97	97	87	88	90	95	104	90	88	91	98	88	91	98	89	81	85	97	88.0	57.5				
WATFORD CITY	89	57	81	58	77	47	72	54	76	48	84	53	94	100	63	95	80	88	82	95	100	92	91	93	103	110	95	93	101	89	85	87	96	90	83	87	101	90.4	58.7					
WATFORD CITY 14 S	90	56	90	61	81	46	78	56	78	44	84	58	95	101	63	101	96	91	90	95	102	99	91	94	103	110	106	94	103	103	86	91	98	96	90	89	102	94.2	58.9					
WESTHOPE	84	55	67	52	76	45	69	54	74	42	80	51	89	63	83	63	93	82	78	75	90	93	86	92	94	96	104	83	86	94	84	86	87	97	95	85	97	86.1	56.5					
WILLISTON WB CITY	88	62	69	54	77	47	71	52	76	48	82	52	92	98	64	94	77	86	78	94	97	85	90	92	102	106	89	91	100	82	83	86	94	87	76	87	97	87.7	60.4					
WILLISTON EXP FARM	85	58	83	55	75	47	74	52	73	48	80	56	90	89	68	92	89	87	79	92	97	92	89	91	102	105	95	92	98	95	83	86	94	91	86	87	98	89.3	58.1					
WILLOW CITY	86	47	82	53	71	48	70	52	84	46	86	50	91	92	92	65	80	84	76	92	97	91	92	92	98	107	93	84	99	91	87	87	98	92	82									

DAILY TEMPERATURES

Continued

NORTH DAKOTA
JULY 1960

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	86	84	72	72	71	78	87	87	90	94	90	82	73	89	93	86	84	90	96	102	89	84	102	98	86	89	97	86	80	82	97	87.0
	MIN	55	58	46	49	48	49	52	59	60	65	64	57	52	59	58	61	62	64	60	65	64	60	57	68	50	53	55	60	58	48	52	57.0
WISHEK	MAX	71	84	78	75	75	72	78	86	78	85	92	80	82	76	88	96	91	87	87	93	103	98	86	98	93	88	91	92	89	87	91	86.1
	MIN	53	60	49	44	47	42	48	60	58	60	60	57	50	45	56	54	63	55	56	61	69	57	54	69	50	49	50	58	54	41	53	54.3

EVAPORATION AND WIND

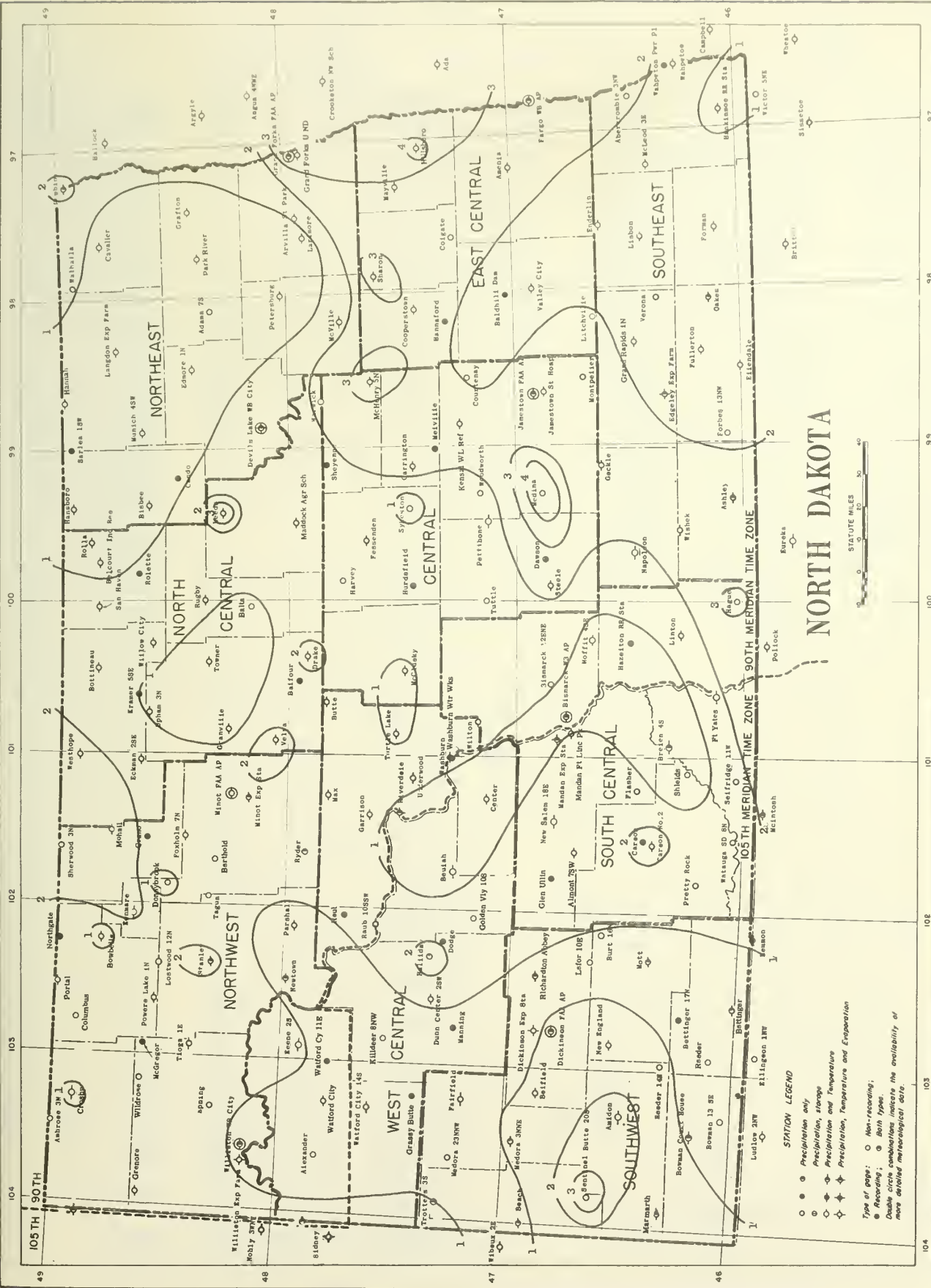
Table 6

Station		Day of month																															Total to Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DEVILS LAKE WB CITY	EVAP WIND	.23 60	.12 32	.15 28	.13 15	.13 23	.17 37	.23 60	.30 45	.14 40	.27 34	.19 33	.24 17	.19 26	.24 36	.13 33	.32 9	.24 16	.20 16	.25 22	.33 54	.25 36	.28 26	.24 45	.27 53	.34 40	.29 37	.32 36	.32 32	.27 53	.23 34	.27 35	7.32 1063
DICKINSON EXP STATION(A)	EVAP	.20	.30	.17	.25	.23	.19	.31	.35	.44	.50	.32	.16	.24	.26	.20	.40	.25	.33	.35	.55	.54	.32	.30	.48	.30	.26	.31	.30	.52	.43	.30	10.06
	WIND	90	120	40	70	*	115	90	75	90	60	70	70	105	55	90	125	5	50	130	85	95	160	110	60	70	80	90	65	145	90	2590	
	MAX	83	93	85	86	78	81	88	89	95	94	89	91	94	90	91	90	91	88	96	93	98	93	88	94	79	87	85	91	89	82	88	89.0
	MIN	57	61	54	56	55	56	59	61	64	60	67	64	59	55	62	61	65	64	65	64	67	65	63	61	60	54	56	77	61	47	57	60.6
EDGELEY EXP FARM	EVAP WIND	.20 34	.13 67	.25 58	.11 32	.05 32	.33 54	.17 26	.31 31	.08 34	.12 38	.34 70	.22 49	.05 58	.26 51	.33 36	.28 32	.24 39	.25 45	.32 52	.38 49	.31 67	.42 67	.23 44	.31 72	.19 59	.20 23	.41 31	.39 46	.39 66	.41 116	.26 38	7.94 1516
MANDAN EXP STATION (A)	EVAP WIND	.18 60	.11 58	.14 80	.15 44	.14 32	.19 29	.21 46	.20 60	.23 79	.20 78	.21 51	.20 68	.23 71	.22 56	.23 57	.22 48	.21 74	.22 48	.22 44	.33 99	.29 57	.30 135	.34 102	.25 107	.26 107	.29 66	.27 70	.27 57	.50 121	.31 199	.20 11	7.15 2157
	EVAP WIND MAX MIN	.26 79 80 52	.25 65 89 59	.14 53 74 54	.19 50 84 66	.18 53 77 55	.18 50 84 55	.29 54 77 55	.33 68 87 55	.39 95 88 55	.33 86 87 57	.33 95 87 68	.29 86 92 58	.22 54 91 61	.29 54 85 55	.27 66 91 54	.27 66 85 64	.32 60 89 65	.23 76 86 66	.27 38 94 66	.27 30 94 66	.37 99 94 66	.36 98 94 66	.41 101 98 66	- 98 89 56	.40 136 81 60	.23 75 83 55	.31 49 88 57	.38 54 87 60	.40 78 86 57	.32 110 77 56	.30 49 86 58	9.05 2119 86.4 59.8
WILLISTON EXP FARM	EVAP	.30	.30	.12	.20	.21	.28	.40	.38	.18	.43	.29	.26	.34	.30	.35	.31	.42	.31	.46	.50	.55	.41	.45	.43	.40	.31	.40	.22	.50	.38	.55	10.94
	WIND	48	49	63	59	23	20	25	22	33	59	68	39	44	40	27	76	71	44	41	46	101	80	59	92	69	50	74	68	137	54	46	1727
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

TOTAL PRECIPITATION

JULY 1960

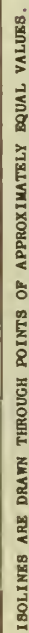


- STATION LEGEND**
- Precipitation only
 - Precipitation, storage
 - ◆ Precipitation and Temperature
 - ◆ Precipitation, Temperature and Evaporation

Type of page: ○ Non-recording;
● Recording; ◆ Both types.
Double circle combinations indicate the availability of more detailed meteorological data.

ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

JULY 1960



STATION INDEX

MOUTH DAKOTA
JULY 1960

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER																	
							TEMP	PRECIP	WIND	SPECIAL									TEMP	PRECIP	WIND	SPECIAL																		
ABERCROMBIE	0009	RICHMOND	10 46 27	96 45	935	8A					HELMER ANDERSEN	PETTIBONE	7047	KIDDER	8 47 07	99 51	1855	7P	7P			H	ARTHUR J. DEKREY																	
ADAMS 1 S	0022	WALSH	10 48 20	98 04	1554	6P					MYRON L. BAILEY	7201	BURKE	12 49 02	102 53	1094	9A	9A					U. S. CUSTOMS OFFICE																	
ALFREDER 2 SW	0096	MCKENZIE	13 47 50	103 40	2170	6P					WILLIAM LANZ	7281	BURKE	8 48 34	102 38	2205	7P	7P					HERBERT J. CLARK																	
ALMONT 7 SW	0136	MORTON	4 46 43	101 39	2300	7P					NOGAM RAMSLAND	7311	GRANT	1 46 10	101 51	2480	6P	6P					FREDA LEER																	
ANDREW 3 N	0188	DIVIDE	12 49 00	105 28	2027	5P					U. S. BORDER STATION	7405	MCKEAN	8 47 44	102 04	1885							C	GEORGE A. MANSON																
ANENIA	0184	CASS	11 47 00	97 13	940	5S	5S				N VIRGIL L. GEBERE	7408	MCKEAN	8 47 36	102 06	1958	6P	6P						LYLE P. MOLTAN																
ANIDON	0209	SLOPE	1 46 29	103 19	2810	8A	8A				N FRED FLEENER	7450	ADAMS	3 46 06	102 57	2250	6P	6P						A. W. KITTLESON																
ARVILLA STATE PARK	0349	GRAND FORKS	10 47 56	97 10	940	6P	6P				VERNON C. IHOREN	7452	SLOPE	1 46 19	102 57	2784	8A	8A						CHAS. W. METZINGER																
ASHCY	0482	MCKINTOSH	1 46 02	99 32	2001	5S	5S				U. S. LINE AGENT	7530	STARK	4 46 53	102 19	2470	5P	5P						ASSUMPTION ABBEY																
BALDWIN DAM	0450	BARNES	11 47 02	98 02	1300						U. S. CORPS OF ENGINEERS	7585	MCKEAN	8 47 30	101 21	1950	8A	8A						C	U. S. CORPS OF ENGINEERS															
BALFOUR	0492	MCKENRY	12 47 57	100 32	1615						C EMIL ROGSTAD	7655	ROLLETTE	12 48 40	99 50	1630									C	HENRY JOHNSON														
BALTA	0500	PIERCE	11 48 10	100 02	1550	6P					ANTON SCHWARTZ	7664	ROLLETTE	2 48 52	99 37	1819	7P	7P								TED. R. FAGERLUND														
BEACH	0590	GOLDEN VALLEY	7 46 55	104 01	2824	6A	6A				H LUTHER F. MOOGIN	7704	PIERCE	12 48 22	100 00	1560	6P	6P								FRANK MORNSTEIN														
BELOUCOURT INDIAN RES	0624	ROCK	8 46 50	99 45	1940	7P	7P				N TURTLE M. INDIAN AGENCY	7749	WARD	8 47 55	101 40	2108	6P	6P								C	ASSUMPTION ABBEY													
BELOUCOURT INDIAN RES	0639	STARK	4 46 53	101 31	2583	7P	7P				C SAN HAVEN	7824	ROLLETTE	12 48 50	100 02	2001	6P	6P									C	STANLEY DOOLING												
BERTHOLD	0728	WARD	12 48 19	101 44	2080	6P					JOAN COX	7844	TOWNER	9 48 56	99 00	1602										C	DAVID E. MADLAND													
BEULAH	0746	MERCER	6 47 16	101 47	1780	7P	7P				H NONI DAK UTILITIES CO	7952	SIOUX	1 46 02	101 06	2229	6P	6P									C	JOSEPH MOSSET												
BISBEE	0784	TOWNER	2 48 37	99 22	1600	8P	8P				ROBERT J. KRICK	7976	GOLDEN VALLEY	7 46 37	103 49	2662	7P	7P										G. E. BURY												
BISMARCK WB AIRPORT	0816	BURLEIGH	8 46 48	100 49	1850	MID	MID				C HJ U. S. WEATHER BUREAU	7986	STEELE	10 47 36	97 54	1516	8P	8P										HUGH LYON												
BISMARCK 12 ENE	0827	BURLEIGH	8 46 51	100 33	1709	8A					KFTR TRANSMITTER	8047	RENNVILLE	12 49 00	101 58	1647	6P	6P										C	U. S. CUSTOMS OFFICE											
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A	8A				H N D SCHOOL OF FORESTRY	8057	EDDY	11 47 50	99 07	1400											C	ALVIN H. KENNEDY												
BOWBELL	0941	BURKE	12 48 48	102 15	1953	8A	8A				H FELIX L. ADAMS	8065	GRANT	1 46 14	101 07	1806	6P	6P										C	JAMES W. ROENBOUGH											
BOWMAN COURT HOUSE	0955	BOWMAN	3 46 11	103 23	2950	5P	5P				C MICHAEL R. NIRSCH	8276	MOUNTAIN	8 48 19	102 24	2240	7P	7P										C	H N. G. EVANS											
BOWMAN 13 SE	0998	BOWMAN	3 46 02	103 18	2830	6P					C GEORGE HIRSCH	8364	KIDDER	8 46 51	99 55	1857	6P	6P											C	STEELE OZONE PRESS										
BREIEN	1052	SIOUX	1 46 24	100 56	1720	6P	6P				C ANNA C. PEDERSON	8608	WELLS	5 47 28	99 24	1634	4P	4P												EDWARD SONDAK										
BUTTE	1225	MCKEAN	12 47 50	100 40	1885	8A	8A				H SAM KRITSKY	8627	MOUNTAIN	12 48 20	101 56	2179	6P	6P												W. R. ELLINGBOE										
CANON	1288	TOWNER	2 48 29	99 12	1481						H HARRY E. HARRIS	8737	WILLIAMS	8 48 24	102 55	2245	8A	8A												C	SIGNAL OIL AND GAS									
CARRINGTON	1360	FOSTER	5 47 27	99 08	1586	8A	8A				C ANDREW G. HEINITZ	8792	MCKENRY	12 48 21	100 24	1482	7P	7P													C	AUGUST R. RIEDER								
CARSON	1370	GRANT	4 46 25	101 34	2310	8A	8A				H JACK STEWART	8812	GOLDEN VALLEY	13 47 17	103 54	2420	6P	6P													C	JOHN O. MELLENDRE								
CAVALIER	1435	PENNINGTON	9 48 48	97 58	889	6P	6P				H WILLIE HANSEN PICO	8840	MCKEAN	8 47 31	100 53	1889	6P	6P														C	WALTER L. RENFROW							
CENTER	1456	OLIVER	8 47 07	101 18	2100	7P	7P				H FRED L. HEINZ	8850	KIDDER	8 47 08	100 00	1880	5P	5P														C	THEODORE C. OCHSNER							
COLGATE	1484	STEELE	10 47 14	97 19	1180	6P					H JOHN L. BURCHILL	8872	MCKEAN	8 47 25	101 05	2001	6P	6P															C	FERDINAND KOENIG						
COLUMBUS	1496	BURKE	12 48 54	102 47	1950	8A					J. O. SUNDEL	8913	MCKENRY	12 48 37	100 44	1425	5P	5P															C	U. S. FISH AND WILDLIFE						
COOPERSTOWN	1766	SPRING	11 47 26	98 07	1428	5P	5P				C DELAND W. MARSON	8937	BARNES	11 46 55	98 00	1230	6P	6P																C	GEORGE M. KENNEDY					
COURTNEY	1816	STUTSMAN	5 47 13	98 34	1523	6P					C K. M. HANAWALT	8990	MCKENRY	12 48 03	100 55	1511	6P	6P																C	R. R. AYERS					
CROSBY	1871	DIVIDE	12 48 54	103 18	1952	6P	6P				H JOHN ANDRIST	9035	LA MOURE	5 46 22	98 05	1362	6P	6P																C	WARREN O. TANG					
DANSON	2018	KIDDER	8 46 52	99 45	1750	8A					C CECIL L. BILLINGTON	9093	RICHMOND	10 46 17	96 36	962	6P	6P																	C	OTTER TAIL PWR PL				
DEWILS LAKE WB CITY	2158	RAMSEY	2 48 07	98 52	1471	MID	MID				C HJ U. S. WEATHER BUREAU	9100	RICHMOND	10 46 16	96 36	960	6P	6P																	C	HAIRTON WATER PLANT				
DICKINSON FAA AIRPORT	2183	STARK	4 46 47	102 48	2595	MID	MID				C H U. S. FED AVIATION AGENCY	9155	PENNINGTON	9 48 55	97 55	1950	6P	6P																		C	FELIX A. GASTONQUAY			
DICKINSON EXP STATION	2188	STARK	4 46 53	102 48	2460	7A	7A				C DICKINSON EXP STATION	9185	BERNARD	11 47 51	98 42	1470	6P	6P																		C	VIRGIL B. JOHNSON			
DODGE	2215	DUNN	6 47 18	102 12	1989						C THEODORE ISAAC	9195	MCKEAN	8 47 17	101 02	1760	5P	5P																			C	JUDY BORLAUG		
DOWNTOWN	2282	WARD	12 48 10	101 33	1740	6P					C BENJAMIN SONNENBERG	9219	GRANT	1 46 02	101 34	2074	6P	6P																			C	MARY E. KATUS		
DRAKE	2298	MCKENRY	12 47 55	100 22	1634	8A	8A				C J. J. EVANS	9233	MCKENZIE	8 47 48	103 17	2100	8P	8P																			C	J. C. ZELLER		
DUNN CENTER 2 SW	2346	DUNN	12 47 50	102 58	2232	7A	7A				H CHESLEY M. DINKINS	9238	MCKENZIE	8 47 47	103 02	2130																				C	IDA PETERSON			
ECKMAN 2 SE	2472	BOTTINEAU	12 48 39	101 01	1455	7A					C JOHN M. ZURCHER	9246	MCKENZIE	7 47 36	103 17	1965	5P	5P																				C	THEO. ROOSEVELT NHP	
EDGELEY EXP FARM	2482	LA MOURE	5 46 20	98 02	1568	8A	8A				C H N D AGRICULTURE EXP STA	9333	BOTTINEAU	12 48 55	101 01	1508	9P	9P																				C	HARRY KLINE	
EDMORE 1 N	2529	RAMSEY	2 48 25	98 28	1520	6P	6P				H WILLIAM E. COLLINS	9400	WILLIAMS	8 48 38	103 10	2258	6P	6P																			C	JONATHAN WINJER		
ELLENDALE	2605	DICKINSON	5 46 00	98 31	1460	8P	8P				C MALCOLM D. GODDARD	9425	WILLIAMS	8 48 09	103 37	1877	MID	MID																			C	U. S. WEATHER BUREAU		
ENDERLIN	2695	RANDOLPH	8 47 11	103 21	2224	6P					C LEONARD PERSON	9430	WILLIAMS	8 48 09	103 41	2105	6P	6P																			C	GEORGE KAPUSTA		
EPHING	2735	WILLIAMS	8 47 11	103 21	2224	6P					C F. J. CARPENTER	9445	BOTTINEAU	12 48 36	100 17	1471	6P	6P																				C	N. M. SANDERSON	
FAIRFIELD	2809	BILLINGS	7 47 11	103 21	2250	6P	6P				H JOHN PETRYSZAK	9555	MCKEAN	8 47 09	100 48	2171	6P	6P																				C	EDWIN PETERSON	
FARGO WB AIRPORT	2859	CASS	10 46 54	96 48	895	MID	MID				C HJ U. S. WEATHER BUREAU	9555	MCKINTOSH	8 46 16	99 34	2011	6P	6P																					C	J. W. MELLERUD
FESSENDEN	2949	WELLS	5 47 39	99 37	1620	6P	6P				H EMIL E. RUST</																													

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry. Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

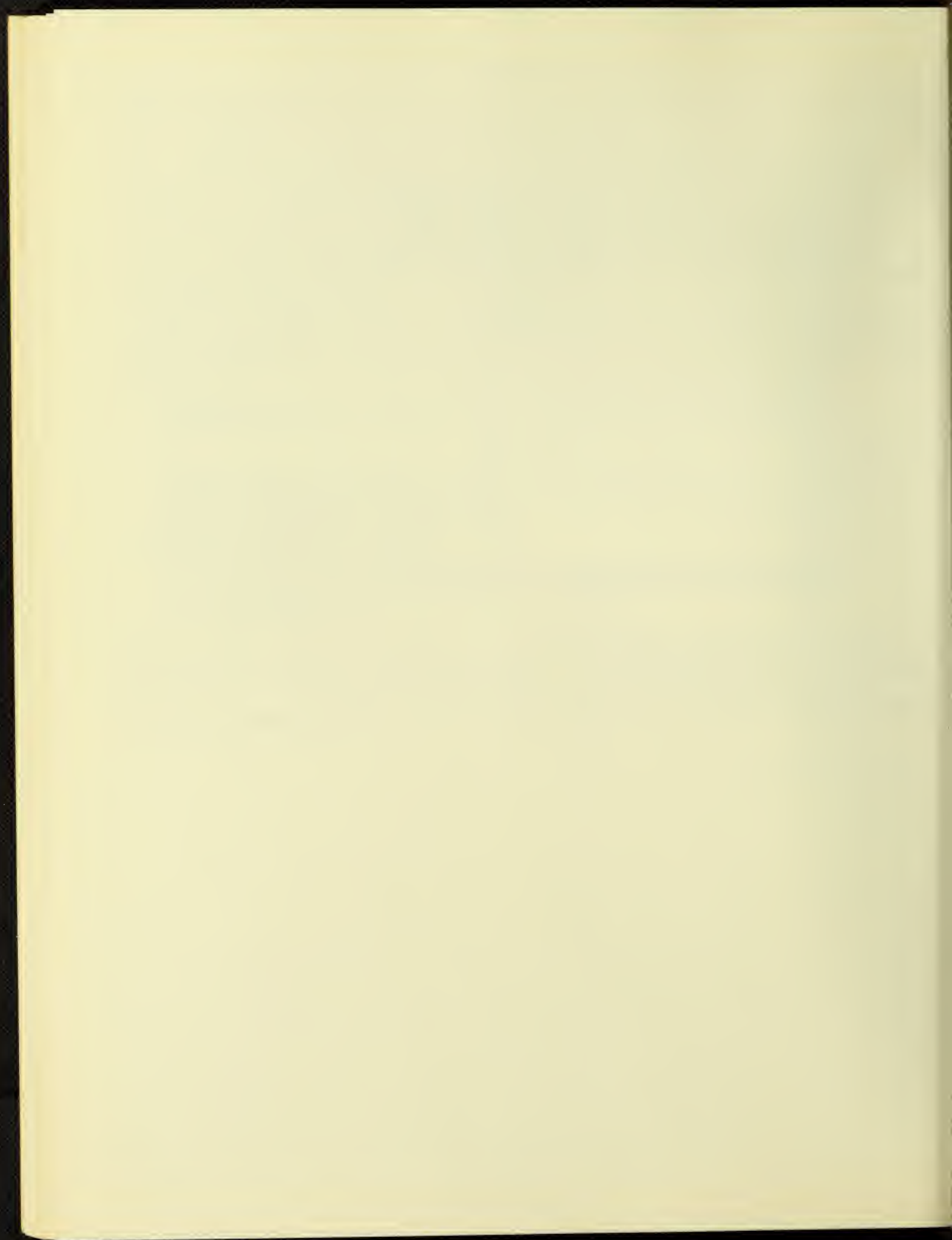
General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STANDARD DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCMM-WB-ASHEVILLE---8-31-6D---825





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U. S. DEPARTMENT OF COMMERCE
FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

AUGUST 1960

Volume 69 No. 8



ASHEVILLE: 1960

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UNIVERSITY OF ALABAMA

MONTHLY EXTREMES

Highest Temperature: 107° on the 23d at Dickinson Exp Station

Lowest Temperature: 33° on the 24th at Medora 3 NNE

Greatest Total Precipitation: 11.41 inches at Oakes

Least Total Precipitation: 1.12 inches at Medora 22 NNW

Greatest one-day Precipitation: 6.35 inches on the 18th at Oakes

Much of the data presented in this publication comes from observations taken by volunteer cooperative observers. These observations are mailed after the close of the month to a Weather Records Processing Center, where they are placed on punch cards and checked for accuracy and completeness. These cards are used to prepare copy for the various tables. Printing and mailing is done at the National Weather Records Center at Asheville, North Carolina.

The various steps all take time. Records for any state cannot be checked by machine until nearly all of them for that state have been received. Printing cannot be done until all the tables for an issue are completed and assembled.

Constant effort is made to speed up publication and still maintain high quality of the data. A realistic deadline for mailing the printed Climatological Data has been set as the 15th of the second following month (45 days after the end of the month for which data are published). If any recipient's copy is unduly delayed, the Director, National Weather Records Center, Asheville, North Carolina should be advised.

SUPPLEMENTAL DATA

NORTH DAKOTA
AUGUST 1960

Station	Wind direction		Wind speed m p h				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover	sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of latest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total			
DISMACK WB AIRPORT	WNW	13	11.3	47	SE	5	63	71	40	33	4	5	3	1	2	0	15	78	5.2	
DEVILS LAKE WB CITY	SE	-	7.4	30	SE	16	-	86	53	46	3	4	1	3	1	0	12	60	5.1	
FARGO WB AIRPORT	SSE	16	14.4	50	NW	16	82	88	58	52	2	5	2	1	2	0	12	67	5.4	
WILLISTON WB AIRPORT	NE	-	6.9	34	SE	22	-	78	49	36	2	5	2	1	1	0	11	69	5.8	

CLIMATOLOGICAL DATA

Station	Temperature											Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days					
										90° or Above	32° or Below	32° or Below	Below 0° or Below					Total	Max. Depth on Ground	Date						
NORTHWEST DIVISION																										
BOWBELLS	AM	81.6	52.5	67.1		96	1	41	28	50	6	0	0	0	2.53		.97	3	.0	0	7	2	0			
CROSBY		83.6	51.8	67.7	2.0	96	23	39	28	33	6	0	0	0	2.15	.30	.74	2	.0	0	6	2	0			
FOXHOLM 7 N		85.0	52.4	68.7	1.4	97	1	41	29	17	6	0	0	0	2.09	.99	1.65	2	.0	0	7	1	1			
GRENORA		83.2	52.0	67.6		96	19	41	29	44	6	0	0	0	2.53		1.37	25	.0	0	5	1	1			
KENMARE	AM	81.7	53.1	67.4		96	1	43	31+	40	7	0	0	0	2.31	.41	.95	3	.0	0	6	2	0			
LOSTWOOD 12 N		81.6M	49.7M	65.7M		95	1	38	26	56	3	0	0	0	2.08		.68	2	.0	0	6	2	0			
MINOT FAA AIRPORT		82.0	55.1	68.6		96	20+	44	14	28	6	0	0	0	3.34		1.91	2	.0	0	6	1	1			
MINOT EXP STATION	AM//	82.0	54.3	68.2		96	21+	44	28	41	6	0	0	0	2.28		.54	3	.0	0	6	2	0			
MOHALL		82.6	51.8	67.2	0.4	94	1	41	28+	35	4	0	0	0	3.82	1.64	1.74	2	.0	0	4	2	1			
NEWTOWN		83.5	53.6	68.6	1.6	96	1	42	24	28	8	0	0	0	2.14	.46	1.10	25	.0	0	8	2	1			
PARSHALL		85.8	52.0M	68.9M		98	20	41	28	27	11	0	0	0	2.33	.66	1.54	25	.0	0	4	2	1			
PORTAL	AM	79.8	53.1M	66.5M	1.2	94	20	40	28	58	3	0	0	0	2.08		.92	3	.0	0	4	1	1			
POWERS LAKE 1 N		80.8M	51.4M	66.1M		94	1	40	28	68	7	0	0	0	2.14	.19	.63	2	.0	0	5	1	0			
STANLEY		82.3	52.2	67.3		95	1	40	28	45	6	0	0	0	2.00		.74	25	.0	0	6	1	0			
TIOGA 1 E	AM	82.6	49.1M	65.9M		99	1	37	28	73	7	0	0	0	1.89		.65	17	.0	0	4	1	0			
WILLISTON WB CITY	//R	82.9	56.2	69.6	1.5	97	1	46	28	26	6	0	0	0	2.98	1.57	1.76	25	.0	0	7	2	1			
WILLISTON EXP FARM		83.8	54.4	69.1		94	22+	43	28	29	8	0	0	0	3.02		2.23	25	.0	0	3	1	1			
DIVISION																										
NORTH CENTRAL DIVISION																										
BELCOURT INDIAN RES		79.6	50.5	65.1		90	1	37	29+	65	1	0	0	0	3.73		1.98	3	.0	0	6	2	1			
BOTTINEAU	AM	80.3	54.4	67.4	0.9	95	1	41	28	45	5	0	0	0	3.28		1.60	3	.0	0	7	3	1			
ORAKE	AM	81.5	54.5	68.0	0.5	95	2	44	28	41	6	0	0	0	3.75	1.66	1.12	26	.0	0	6	3	1			
ECKMAN 2 SE	AM	82.5	52.2	67.4	1.5	98	1	42	14	42	7	0	0	0	2.65		.75	3	.0	0	6	2	0			
GRANVILLE		81.9	55.5	68.7	1.2	95	1	45	29+	25	5	0	0	0	5.88	3.74	2.17	2	.0	0	7	3	3			
LEOS		83.0	54.2	68.6		94	1	37	14	26	6	0	0	0	3.07		1.56	25	.0	0	7	1	1			
MAODOCK AGRI SCHOOL		85.3	53.1	69.2	1.5	97	22+	41	14	15	7	0	0	0	3.87	1.78	1.02	25	.0	0	8	2	2			
ROLLA		79.2	54.1	66.7		96	1	43	29+	41	2	0	0	0	3.76		1.80	3	.0	0	6	2	1			
RUGBY		84.6	54.9	69.8		91	20	43	29+	20	10	0	0	0	4.95	2.74	1.95	25	.0	0	10	2	2			
SAN HAVEN		80.3	54.1	67.2	1.2	90	22+	42	29	32	3	0	0	0	3.58	1.20	1.12	3	.0	0	7	3	1			
TOWNER		83.7	51.4	67.6	0.6	95	22+	38	14	33	8	0	0	0	3.70	1.46	1.35	25	.0	0	5	3	1			
UPHAM 3 N		84.5	53.2	68.9		96	20+	42	24	23	8	0	0	0	3.28		1.03	23	.0	0	6	3	1			
VELVA		83.0	52.9	68.0	0.5	96	20+	41	14	33	6	0	0	0	5.41	3.30	1.60	25	.0	0	7	4	2			
WESTHOPE		81.2	53.5	67.4	0.5	94	1	42	28	36	5	0	0	0	3.66		1.29	2	.0	0	7	3	1			
WILLOW CITY		83.9M	51.1M	67.5M	1.5	96	11+	38	29	29	6	0	0	0	3.50	1.46	1.33	2	.0	0	6	3	1			
DIVISION																										
NORTHEAST DIVISION																										
ARVILLA STATE PARK		85.0	55.0M	70.0M		96	12+	36	14	17	10	0	0	0	4.69		1.25	3	.0	0	6	4	3			
8158EE		80.6	53.8	67.2		95	1	43	24+	28	4	0	0	0	3.64		.92	3	.0	0	6	4	0			
CAVALIER	R	84.9	56.8	70.9		95	12	45	15+	10	9	0	0	0	3.28		1.57	25	.0	0	7	2	1			
DEVILS LAKE WB CITY		81.1	55.5	68.3	1.5	95	22+	43	14	31	6	0	0	0	3.16	.99	1.25	25	.0	0	5	4	1			
EDMORE 1 N		82.6	54.0	68.3		94	1	38	14	30	4	0	0	0	4.01		1.13	23	.0	0	8	3	1			
GRAFTON		84.5	54.0M	69.3M	0.6	95	12	41	14+	20	10	0	0	0	3.60	.95	1.44	25	.0	0	8	3	1			
GRAND FORKS FAA AIRPORT	R	81.5	56.1	68.8		93	12	40	14	20	5	0	0	0	3.34		.86	25	.0	0	7	3	0			
GRAND FORKS UNIVERSITY		81.9	58.9	70.4	2.2	93	12	49	14	7	4	0	0	0	3.74	.61	.93	8	.0	0	6	4	0			
HANNAH		80.9	50.9	65.9		92	22	35	14	49	3	0	0	0	2.23	.66	.77	25	.0	0	6	2	0			
HANSBORO																										
LANGOON EXP FARM	M	82.8	52.3	67.6	1.7	93	12	36	14	40	6	0	0	0	3.65	1.02	1.07	25	.0	0	6	3	2			
LARIMORE		83.6	57.4	70.5	2.2	95	16+	42	14	11	6	0	0	0	3.63	1.02	1.52	25	.0	0	6	3	1			
MC VILLE		83.8	53.9	68.9		97	21	42	14	23	5	0	0	0	4.74		1.48	25	.0	0	6	3	2			
MUNICH 4 SW		81.1	52.1	66.6		93	22	40	14	44	3	0	0	0	2.99		1.00	25	.0	0	8	2	1			
PARK RIVER		85.6	57.1	71.4	3.7	95	22+	42	14	14	13	0	0	0	5.08	2.89	2.11	25	.0	0	7	3	2			
PEMBINA		82.6	54.8	68.7		91	12	38	14	18	3	0	0	0	3.51	.63	1.22	25	.0	0	9	2	1			
PETERSBURG		81.2	55.1	68.2		93	21+	44	29+	32	5	0	0	0	5.03	2.53	1.34	25	.0	0	8	4	3			
DIVISION																										
WEST CENTRAL DIVISION																										
BEULAH		87.2	54.5	70.9		104	22	42	29	15	14	0	0	0	2.91		1.52	25	.0	0	4	2	1			
BUTTE	AM	82.5	54.2	68.4		96	1	43	29	45	7	0	0	0	4.64		1.87	24	.0	0	6	2	2			
CENTER		84.0M	52.5	68.3M		102	22	40	29	33	8	0	0	0	4.23		1.98</									

CLIMATOLOGICAL DATA

NORTH DAKOTA
AUGUST 1960

Continued

Station	Temperature													Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days						
										Max. Min.									Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More				
										30° or Above	32° or Above	34° or Above	36° or Above	38° or Above														
TURTLE LAKE	84.4	55.1	69.8		100	22	45	14	22	6	0	0	0	0	4.14		1.44	25	.0	0		6	2	2				
UNDERWOOD 4 ESE	84.0	54.5	69.3		100	22	41	14	23	8	0	0	0	0	3.16		1.18	25	.0	0		6	3	1				
WASHBURN	83.0M	55.0M	69.0M	- 0.2	100	22	42	26	29	9	0	0	0	0	3.54	1.76	1.15	25	.0	0		8	3	1				
WATFORD CITY	84.5	54.1	69.3	0.4	99	22	42	26	30	9	0	0	0	0	3.33	1.78	2.45	25	.0	0		4	1	1				
WATFORD CITY 14 S	88.5	54.2	71.4		103	23	41	26+	16	15	0	0	0	0	2.84		1.43	25	.0	0		6	2	1				
WILTON	84.3	54.2	69.3		101	22	44	26+	25	7	0	0	0	0	3.02		.90	23	.0	0		7	2	0				
OIVISION			69.3	1.6											3.69	1.76			.0									
CENTRAL OIVISION																												
CARRINGTON	AM 82.3	52.3	67.3	0.1	96	23	43	24	48	7	0	0	0	0	2.65	.75	.73	26	.0	0		7	2	0				
FESSENDAEN	83.9M	52.4M	68.2M	0.3	95	22+	38	14	34	8	0	0	0	0	3.45	1.48	1.29	23	.0	0		6	3	1				
JAMESTOWN FAA AIRPORT	//R 82.9	54.9	68.9		99	22	41	14	22	8	0	0	0	0	2.72		1.28	25	.0	0		4	2	1				
JAMESTOWN STATE HOSP	84.5	56.6	70.6	1.4	98	22	43	24	12	10	0	0	0	0	3.59	1.46	1.30	25	.0	0		8	3	1				
KENSAL WILDLIFE REFUGE	86.7M	53.4M	70.1M		99	22	40	14	17	14	0	0	0	0	3.27		1.20	25	.0	0		7	3	1				
MC CLUSKY	84.4	54.1	69.3	1.0	95	23+	43	26+	29	9	0	0	0	0	4.42	2.51	1.23	25	.0	0		7	3	2				
MC HENRY 5 N	82.1	53.5	67.8		96	21	39	14	35	6	0	0	0	0	3.65		1.41	23	.0	0		7	2	1				
PETTIBONE	82.3	54.7M	68.5M	0.3	94	22	42	14	23	5	0	0	0	0	3.36	1.21	1.55	3	.0	0		5	2	1				
STEELE	84.2	55.6	69.9	1.6	101	22	42	14	22	8	0	0	0	0	3.27	1.23	.92	25	.0	0		8	3	0				
OIVISION			69.0	1.1											3.38	1.24			.0									
EAST CENTRAL OIVISION																												
AMENIA	83.7	57.5	70.6		95	22	45	29+	10	7	0	0	0	0	3.61		1.24	25	.0	0		5	3	2				
COOPERSTOWN	84.2	55.8	70.0		96	21	43	14	16	8	0	0	0	0	3.94	1.37	1.55	25	.0	0		7	3	1				
FARGO WB AIRPORT	//R 83.3	57.8	70.6	1.5	94	12	40	14	9	8	0	0	0	0	3.91	1.18	1.48	25	.0	0		5	3	2				
HILLSBORO	84.0	57.6	70.8	1.8	94	22+	45	14	8	7	0	0	0	0	4.12	1.30	1.54	6	.0	0		6	3	1				
MAYVILLE	83.2	58.2	70.7	0.9	94	12+	42	14	9	5	0	0	0	0	5.42	2.73	1.94	6	.0	0		6	3	3				
SHARON	81.9	55.0M	68.5M	0.8	93	22	43	14	27	5	0	0	0	0	2.85	.11	.85	6	.0	0		5	3	0				
VALLEY CITY	82.6	55.8	69.2	- 0.2	96	22	39	14	20	5	0	0	0	0	6.06	3.73	2.25	25	.0	0		5	5	2				
OIVISION			70.1	1.2											4.27	1.73			.0									
SOUTHWEST OIVISION																												
AMIDON	AM 83.3M	55.7M	69.5M		102	23			28	8	0	0	0	0	2.14		.51	17	.0	0		7	1	0				
BEACH	AM 83.4	52.0	67.7		99	23	37	24	57	9	0	0	0	0	1.68		.69	7	.0	0		5	1	0				
BELFIELD	82.9	52.3	67.6		98	22	43	28+	36	6	0	0	0	0	3.91		1.65	5	.0	0		4	3	2				
BOWMAN COURT HOUSE	84.5	53.5M	69.0M	0.2	99	22			32	7	0	0	0	0	3.03		1.07	5	.0	0		8	2	1				
DICKINSON FAA AIRPORT	//R 83.1	54.6	68.9		105	22	43	26	27	6	0	0	0	0	1.81		.57	4	.0	0		5	1	0				
DICKINSON EXP STATION	AM 84.5	52.0	68.3	1.2	107	23	38	26+	53	10	0	0	0	0	2.16	.40	.65	25	.0	0		7	1	0				
FAIRFIELD	82.8	53.6	68.2		101	22	39	31	42	7	0	0	0	0	2.69		1.22	5	.0	0		5	2	1				
HETTINGER	83.4	55.0	69.2	- 3.3	105	22	41	26	22	7	0	0	0	0	2.50	.68	.88	25	.0	0		6	2	0				
MARMARTH	AM 85.0	51.6	68.3	- 0.8	103	23	34	26	60	10	0	0	0	0	1.49	.16	.49	6	.0	0		5	0	0				
MEODRA 3 NNE	85.3	47.8M	66.6M		101	22	33	24	64	9	0	0	0	0	2.55		1.00	5	.0	0		6	1	1				
MOIT	83.3	52.2	67.8	- 1.3	104	22	38	26	40	7	0	0	0	0	2.65	1.10	.88	5	.0	0		5	2	0				
NEW ENGLAND	83.8	52.6	68.2	- 1.2	104	22	38	26	29	8	0	0	0	0	2.18	.60	1.01	5	.0	0		5	1	1				
RICHARDSON ABBEY	85.2	55.0	70.1	1.3	102	22	43	26+	21	9	0	0	0	0	2.34	.55	.70	25	.0	0		6	2	0				
TROTTERS 3 S																												
OIVISION			68.4	- 0.3											2.39	.63			.0									
SOUTH CENTRAL OIVISION																												
ALMONT 7 SW	84.1	56.8	70.5		100	22	45	26	17	9	0	0	0	0	3.22		1.05	25+	.0	0		6	2	2				
BISMARCK WB AIRPORT	//R 85.7	55.6	70.7	1.4	106	22	44	14	13	9	0	0	0	0	3.81	2.31	1.13	23	.0	0		6	3	2				
BREIEN	88.5	54.1	71.3		106	22	41	29	11	14	0	0	0	0	3.34		1.87	23	.0	0		4	2	1				
CARSON	AM 84.7	53.4	69.1	- 0.3	103	23	41	26	38	11	0	0	0	0	2.13	.62	.45	25	.0	0		9	0	0				
FORT YATES	AM 86.9M	54.9M	70.9M	0.4	105	23			20	13	0	0	0	0	2.49	.75	1.50	17	.0	0		4	2	1				
LINTON	AM 88.4	54.9	71.7	0.8	105	22	40	14+	13	12	0	0	0	0	3.00	1.15	1.12	5	.0	0		4	3	1				
MANOAN EXP STATION	AM 84.2	54.8	69.5	0.3	104	23	45	26+	33	8	0	0	0	0	2.79	1.03	.68	24	.0	0		7	3	0				
MANOAN FT LINCOLN PARK	87.8M	51.0M	69.4M		104	22			14	10	0	0	0	0	3.49		1.47	23	.0	0		5	3	1				
MOFFIT 4 SE	88.2M	53.1M	70.7M		105	23	40	14	11	13	0	0	0	0	3.40		1.10	23	.0	0		7	3	1				
NEW SALEM 1 SE	85.0	55.1	70.1	1.2	104	22	42	14	20	9	0	0	0	0	2.66	.86	1.22	25	.0	0		6	1	1				
OIVISION			70.4	0.7											3.03	1.18			.0									
SOUTHEAST OIVISION																												
ASHLEY	82.6	54.6	68.6	0.2	103	22	38	14	24	6	0	0	0	0	3.84	1.65	2.43	25	.0	0		5	1	1				
EDGELEY EXP FARM	AM 83.1	55.9	69.5	0.5	98	23	39	14	26	7	0	0	0	0	5.18	3.24	3.04	25	.0	0		5	3	2				
ELLENOALE	85.5	57.9	71.7	1.8	96	22	43	14	11	7	0	0	0	0	4.16	1.67	1.49	25	.0	0		7	3	1				
ENOERLIN	AM 84.2	54.9	69.6		98	23	40	14	18	8	0	0	0	0	3.17		1.42	25	.0	0		5	2	1				
FORMAN	84.4	57.0	70.7		100	22	41	14	12	8	0	0	0	0	4.21	2.02	1.40	25	.0	0		6	3	2				
FULLERTON	85.4	55.1	70.3	0.3	98	22	38	14	9	7	0	0	0	0	3.79	1.58	1.14	25	.0	0		7	3	1				
GACKLE	83.8	57.6	70.7		97	22	41	14	15	6	0	0	0	0	4.40		1.93	25	.0	0		5	4	1				
GRAND RAPIDS 1 N	85.0	56.4	70.7		99	22	38	14	18	7	0	0	0	0	5.11		1.99	25	.0	0		6	3	3				
HANKINSON R R STATION	AM 81.5	57.6M	69.6M	- 0.1	93	23	45	25	13	5	0	0	0	0	3.92	1.49	1.95	25	.0	0		7	2	1				
LISBON	85.2	56.5M	70.9M	1.9	98	22	40	14	11	9																		

DAILY PRECIPITATION

NORTH DAKOTA
AUGUST 1960

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERCROMBIE	4.24	T	.10					T	.06	.05	.02						T	.05	.10	1.71				.52	.65	1.59	T	T	.02				
ADAMS 7 S	3.85		.10	.75					.11	.07							.17	.24															
ALEXANDER 2 SW	2.23		.10			.10			.11	.07							.03						.04										
ALMONT 7 SW	3.22		.03			.20	.07			.20	.03						.18	1.05						.41		1.05							
AMBROSE 3 N	2.39		1.18							.15							.15						.23		.15	.53							
AMENIA	3.61		.08					.30	1.10	.28							.03							.51		1.24		.07					
AMIDON	2.14					.45	.11		.27	.09							.04		.05	.51				.14		.35	.13						
ARVILLA STATE PARK	4.69			1.25				1.15	.06									.16						.65	.05	1.20	.17						
ASHLEY	3.84	T	T	.47		.39		T	.34	T								.38						.15		2.43	.02						
BAITA	5.28	T	.10	1.11													.27	.05						1.73		1.60	.08						
BEACH	1.68						.33	.69	.06	T							.15	.05						.12			.24	.02					
BEELCOURT INOIAN RES	3.73	T		.68	1.98			T	.06	.33							.03	.01						.14		.31	.05	.14					
BEELFIELD	3.91					1.65	.64										.03	.01						.14		.31	.05	.14					
BERTHOLO	2.79		.95	.08		.01			.21	.13							.41	.43					.10	T	.02	.04	.08						
BEULAH	2.91					.04	.08	T	.21								.46							.50		1.52		.04					
BISBEE	3.64		.53	.92				.55									.24	.04						.27		.79							
BISMARCK WB AIRPORT	3.81	T	T	T		.02	.14	T		.08							.82	.03						1.13	.01	1.03		.30					
BISMARCK 12 ENE	2.54							.08			.23						.02	.42						.16	.92		.65						
BOTTINEAU	3.28	T	.09	1.60		.03	T		.15	T							.25	.03						.13	T	.61		.37	.02	T			
BOWBELLS	2.53		T	.97		.02			.32	.02	T						.11	.06						.13	T	.10	.13	.65	T				
BOWMAN COURT HOUSE	3.03	.16				1.07	.47		.10								.62							.16	.10								
BOWMAN 13 SE	3.99	T	.23			1.39	.38	T	.14								.82	.01	.48					.18	.22	T							
BREKEN	3.34	T				.37	T										.05	.65						1.87		.34							
BUTTE	4.64		.39		.02	.01			.05	.06	T						.37	.23						1.87		1.34	.30						
BARRINGTON	2.65		.26					.14		.49							.04	.30						.50		.19	.73						
CARSON	2.13				.32	.02		.10	.02	.13	.02						.30	.30						.24	.13	.45	.10						
CAVALIER	3.28		T			.23			.17	.05							.17	.05						.57	.22	1.57	.20	.25					
CENTER	4.23				.10	.56		.10	.05								.43	.35						.44		1.98							
CHASSY	3.49			.16		.13		.21	.13								.10	.03						.58		1.84							
COLUMBUS	2.98	.01	.03	1.85	.02	.02		.21	T								.08	.01					.23	.15		.06	.23		.08	T			
COOPERSTOWN	3.94			.40			.57	.26	.26	.08							.03	.06						.52		1.55	.21						
COURTNEY	3.40	.08						.30									.03	.06						.52		1.55	.21						
COSSY	2.15	.02	.74			.04		.03	.17	T							.09	.12						1.12		1.15		.10					
DEVILS LAKE WB CITY	3.16	T	.50	.50		.01	.05	T	.03								.07	.05					.20	.50		1.25		.23					
DICKINSON FAA AIRPORT	1.81		T		.57	T	.20		.03								T	.05						.32	.04	.47							
DICKINSON EXP STATION	2.16				.30	.11		.36	T	.07							.21	T								.65	.28	T					
DOONBROOK	1.77	.01	.64					.03	.30								.37						.10	.18		.65	.28	T					
DOONBROOK	3.75		.95		.04		.01	.07		.13							.25	.25						.05	.75		1.12	.26					
DOONBROOK 2 SW	2.74							.02	.45								.20	.10						.49		.58	.66	.18					
DOONBROOK 2 SE	2.65		.10	.75	.03		.01	.07		.05							.32	.02	.03				.10	.03	.49		.58	.66	.18				
DOOLEY EXP FARM	5.18		1.23			.21				.18	.10						.02	.76	.09	T					.51	3.04	T						
DOORE 1 N	4.01	T	.10			.42											.02	.76	.09	T					.51	3.04	T						
DOONDALE	4.16	T			.13	T				.18	.10						.02	.76	.09	T					.51	3.04	T						
DOONDALE	3.17		.08		.04		.09	.09	.30								.23	.31	.27					.37		1.49	.03						
DOONDALE	1.39	T	T		.17		.01	.09	.30								.16	T	.31	.27			.06	.09	.63	1.42	.03	T					
DOONDALE	2.69				1.22	.17											.14								.24		.89	.03					
DOONDALE	3.91	T	.06	T		.23		.12									.02	.50	.02						1.17	1.68	.09						
DOONDALE	3.45		.52			.37		.45									.14	.11							1.29	.90	.02	.02					
DOONDALE	1.70				.37		.29		.10								.14	.11							.15	.30							
DOONDALE	3.06		.26			.29		.10									.04	.12							.31	2.00							
DOONDALE	4.21		.37		.16	T		.05									T	T	.77	.20	T				1.26	1.40							
DOONDALE	2.49				.24												T	T	.77	.20	T					1.26	1.40						
DOONDALE	3.09	.03	1.65	.03	.02		T	.10	T	T	.04						.45	.20							.08	.15	.52	T					
DOONDALE	3.79		.71		.17	T		.10	T	T	.04						.45	.20							.25	.18	.06	T					
DOONDALE	4.40	T	.66		.05		.09	.66									.83			.11					.73	1.16							
DOONDALE	4.43		.02					T	T								.62	.44							.84	.30	.09	1.80	.32				
DOONDALE	5.01	T			.15			.42	T								.84	1.00							.34	2.23		.03					
DOONDALE	3.40	.02	.05	.19		.19	.08										.18								.50	.20	1.44	.13	.62				
DOONDALE	3.34		.16	.43		.51		.58									.33	T							.47	.86		T					
DOONDALE	3.74	T		.59		.08	.48	.93	T								.37	T							.50	.75	.04	T					
DOONDALE	5.11		1.08		.17			.27	.14	.16							.18	.04							1.49	1.99	T	.09					
DOONDALE	5.88		2.17	.03		.30	T	.13									.41	.12							1.53	1.10	.02	.09					
DOONDALE	2.53		T			.30	T	.13									.07	.30							.20	1.37		T					
DOONDALE	3.21		T		.32		.08	.04									.17								.20	1.37		T					
DOONDALE	2.58				.42	T	.37										.36	.13							.20	1.17	T						
DOONDALE	3.92		.05		.15		.48	.10									.03		.11	.15					.05	.90	1.95		T				
DOONDALE	2.23		.26	.50			.21										T																

DAILY PRECIPITATION

NORTH DAKOTA
AUGUST 1960

Continued

Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
POWERS LAKE 1 N	2.14		.63				.27	.07	.14	.03				.02			.25					T	T	.28	.45							T	*	
PRETTY ROCK	3.61					1.10	T		.04	T							.90							.34	.10								*	
RAUB 10 SSW	4.01					.16			.30					.41			.09	1.37						.41	1.70	.13							*	
REEDER	2.49		.10			.21	.38			.03							.09	1.37						.08	.23								*	
REEDER 14 N	2.84		.13			.34	.07	.65	T								.39	.89						.15	.22								*	
RICHAROTON ABBEY	2.34		T			.12	.41		.41	T							.52	.04						.12	.70	.02	T						*	
RIVERDALE	5.34	T		T		.10		T	T	.12				.05	.10		.38	1.78				T	T	.01	.96	.08	1.76	T					*	
ROLLA	3.76		.79	1.80				.03	.40								.04	T					T	.20	.36								*	
RUGBY	4.95		.18	.28				.49	.20								.28	.26				T	T	1.00	1.95	.12	.19						*	
RYDER	2.70																.61	.20						.37	1.36								*	
SAN HAVEN	3.58	T	.67	1.12	.55			.08	.06								.14	.05					.05	.34	.34	.06	.12						*	
SELFRIEGE 5 W	4.20					.54											1.35	1.22						.70	.39								*	
SENTINEL BUTTE 20 S	1.77					1.00	.35		.05							.37							T	.66	.20								*	
SHARON	2.85	.02	.04	.25			.85	.78		.05							.28	.52				.09		.16	.35	.08							*	
SHERWOOD 3 N	2.66		.85	.20		.02		.03	.08	T																							*	
SHIELDS	3.29					.32	.02		.05	T								1.03					.09	T	1.49	.38							*	
STANLEY	2.00		.32	.01		.05		.06	.39	.03				.05			.19	T	.33	.12				.64	.92	.02							*	
STEELE	3.27		.60	.18				.25	T					.10			.02	.09							.20	.17	1.28						*	
SYKESTON	2.43			.40				.07	.01	.08	.12	.03		.02			.40						.12	T		.94							*	
TAGUS	2.80		.99	.04																													*	
TIOGA 1 E	1.89		.01		.10	.04		.01	.11								.22	.65				.09		.26	.16	.24							*	
TOWNER	3.70	.04	.62	.40					.05								.25								.90	1.35	.09							*
TROTTERS 3 S																								1.10	1.44	.23	.06						*	
TURTLE LAKE	4.14		.33	.07	T	.04	T	.03		.09				.02			.35	.47							.96	.97	.07							*
TUTTLE	3.27			.58			.03	.23									.02	.32							.50	1.18		.05						*
UNDERWOOD 4 ESE	3.16		.24			.20	T		.08					.04			.32	.55					.13	1.03	.59	.07	.04							*
UPHAM 3 N	3.28		.62	.25				.07									.44	.04							2.03	2.25	.69							*
VALLEY CITY	6.06						T	.01	.52	.50				T			.39	.18							1.05	1.60	.05	.46						*
VELVA	5.41		.93	.62				.04	.09				1.40	.06											1.24	1.50	.02							*
VERONA	5.42			.83			.37																											*
WAHPETON	4.29			.15		.27	.01			.13							.06		.32			.19	.01	1.16	1.94	.01	.04							*
WALHALLA	3.26		T	.17				.13		.64							.07	.67						.70	1.07	.30	.15							*
WARWICK	2.97	T		.72					.15	.04							.30	.03						.38	.63	.27								*
WASHBURN	3.54		.30			.25											.53	.47						.55	1.15	.10								*
WATAUGA 5 OAKOTA 8 N	3.53					.96											1.00								.67	.90								*
WATFORD CITY	3.33		.06						.30								.30							.15	2.45	.07								*
WATFORD CITY 14 S	2.84					.13			.28					T			.60					.13	.25	.80	.57									*
WESTHOPE	3.66	T	1.29	.34		T		.03	.11								.30	.07					.15	.18	.13	.51					.05			*
WILOROSE	1.42					.09			.10								.15	.21					.02	.16	.06	1.76								*
WILLISTON WB CITY	2.98		.06		T	.02		T	.08					.14		.68																		*
WILLISTON EXP FARM	3.02		.09	.02		.08			.06								.34						.04	.16	2.23									*
WILLOW CITY	3.50	.01	1.33	.16				.03	.04								.23	.01				.01	.80	.64										*
WILTON	3.02		.07	T		.12	.28		.14	T				.08			.12	.43						.90	.84	.04	.24							*
WISHEK	3.95			.57		.75				.08						.22			1.02		.04				.15	1.08	.04							*
WOODWORTH	3.51			1.27			.17			.25							.43							.49	.78	.12								*

DAILY TEMPERATURES

NORTH DAKOTA
AUGUST 1960

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	95	93	83	88	85	77	78	66	78	85	90	96	78	81	91	93	85	83	86	95	85	100	91	80	69	75	73	75	86	88	80	84.1
	MIN	70	66	63	62	61	60	57	53	49	52	57	63	62	50	59	61	58	53	57	58	60	60	60	48	57	45	54	51	50	53	51	56.8
AMENIA	MAX	88	90	81	84	89	85	82	78	77	82	90	92	78	74	80	91	86	80	76	85	91	95	90	80	77	76	82	82	80	89	85	83.7
	MIN	65	63	52	52	58	63	57	57	53	53	59	58	59	45	49	65	72	62	58	55	57	61	69	45	61	52	59	55	45	57	65	57.5
AMIOON	MAX			86	84	90	84	72	75	66	77	82	89	91	88	79	92	87	75	82	82	93	84	102	78	84	64	84		85	94	83.3	
	MIN	66	65	55	63	59	59	53	54	47	53	55	58	58	51	60	58	59		58	66	63	57	64	49	56	41	47	44		50	48	55.7
ARVILLA STATE PARK	MAX	96	92	76	81	90	88	81	79	78	84	91	96	88	80	82	91	86	81	83	92	90	93	89	80	78	78	76	75	85	92	84	85.0
	MIN	64	62	55	44	57	56	57	58	53	45	51	50	54	36	40	62	70	66	46	56	56	59	69	44	56	51					55.0	
ASHLEY	MAX	87	92	81	82	85	80	82	69	77	84	89	92	74	74	82	90	79	70	79	90	93	103	86	80	75	75	80	78	82	89	83	82.6
	MIN	65	55	57	51	61	66	52	53	50	45	56	50	56	38	56	69	64	61	50	44	56	64	61	40	57	45	60	52	50	54	55	54.6
BEACH	MAX	97	95	89	84	90	85	74	75	66	80	83	92	92	80	76	89	85	79	85	93	94	85	99	71	78	62	82	72	74	86	92	83.4
	MIN	60	62	53	60	58	57	51	53	47	50	51	54	58	55	59	54	56	48	54	61	60	59	54	37	46	40	49	40	39	43	45	52.0
BELCOURT INDIAN RES	MAX	90	88	74	77	82	79	74	74	74	80	84	85	81	70	76	84	79	81	86	89	87	89	88	76	73	71	70	71	80	80	77	79.6
	MIN	64	62	55	44	57	56	53	54	50	45	51	50	52	38	52	58	64	49	44	46	56	55	59	37	52	38	54	40	37	43	50	50.5
BELFIELD	MAX	93	86	83	88	83	76	74	66	77	81	86	90	78	72	92	87	78	85	87	93	91	98	85	83	78	78	75	78	84	88	77	82.9
	MIN	62	64	56	55	56	55	49	52	47	53	55	61	58	53	60	56	56	49	51	55	58	61	43	44	43	44	45	43	46	45	47	52.3
BELMONT	MAX	97	94	82	89	91	87	81	70	78	87	92	96	90	79	91	94	86	90	97	92	104	98	83	76	78	76	77	78	80	85	87.2	
	MIN	64	70	60	53	57	62	50	55	46	47	53	49	61	49	61	63	62	52	49	54	61	60	60	44	55	43	56	44	42	54	52	54.5
BISBEE	MAX	95	84	72	80	86	81	75	75	75	82	85	90	75	73	81	83	82	83	86	91	77	93	83	79	69	74	73	73	83	82	80	80.6
	MIN	60	63	57	50	56	62	55	57	54	50	54	58	50	43	49	61	66	56	50	52	58	58	60	43	54	45	56	45	45	51	49	53.8
BISMARCK WB AIRPORT	MAX	96	94	81	89	88	83	83	63	81	88	93	98	77	78	89	96	85	85	88	95	92	106	84	82	73	79	77	76	87	90	82	85.7
	MIN	71	64	59	53	65	61	55	58	49	47	50	51	52	44	63	68	66	56	52	52	63	63	55	49	54	47	60	50	46	50	51	55.6
BOTTINEAU	MAX	95	93	71	76	80	84	79	73	76	78	83	90	88	70	74	83	83	82	85	89	93	75	91	74	78	63	73	73	73	82	83	80.3
	MIN	69	66	59	52	60	58	52	55	54	51	52	55	55	45	55	60	65	52	57	55	60	57	65	43	58	42	52	41	44	44	52	54.4
BOWBELLS	MAX	96	94	78	79	81	84	77	70	75	70	88	91	90	74	79	84	87	83	89	93	91	80	89	70	80	60	76	73	73	83	84	81.6
	MIN	61	64	59	51	54	56	52	54	50	50	54	53	55	45	55	57	62	47	57	59	58	54	56	42	54	44	47	41	46	47	42	52.5
BOWMAN COURT HOUSE	MAX	98	89	85	88	86	75	74	68	78	83	89	89	86	76	90	88	82	81	86	93	89	99	94	84	64	83	80	74	86	93	91	84.5
	MIN	63	55	58	59	58	52	53	47	50	56	58	57	53	54	57	56	53	54	56	61	58	54	45	46	40	44	48	48	52	55	55	53.5
BREIEN	MAX	96	97	94	84	89	84	81	79	82	87	93	100	95	79	92	91	89	84	90	95	95	106	98	83	77	80	79	78	87	93	88	88.5
	MIN	68	64	58	52	64	60	53	52	48	48	47	47	58	44	58	67	62	55	46	48	56	59	68	42	57	44	61	48	41	46	55	54.1
BUTTE	MAX	96	95	87	79	82	89	81	78	66	80	86	93	95	69	78	86	84	85	83	90	94	82	94	76	79	59	74	71	74	84	87	82.5
	MIN	66	61	56	50	51	57	55	51	47	50	54	57	58	45	60	64	64	51	54	58	59	59	61	48	54	47	52	46	43	53	49	54.2
CARRINGTON	MAX	95	93	85	75	84	88	83	76	68	76	83	89	92	72	75	83	83	82	77	80	90	94	96	80	80	69	76	73	73	83	89	82.3
	MIN	64	60	55	49	52	58	54	57	48	52	52	52	56	48	52	56	63	56	46	47	52	58	60	43	48	47	47	45	44	53	52	52.3
CARSON	MAX	97	95	95	83	89	86	76	77	64	79	85	90	97	78	76	92	93	80	83	87	95	91	103	73	83	72	77	75	77	88	90	84.7
	MIN	68	70	56	56	59	57	48	48	42	49	56	54	57	49	58	59	59	50	51	58	60	53	52	53	41	45	47	50	45	46	46	53.4
CAVALIER	MAX	90	85	79	84	90	88	85	81	79	87	92	95	92	76	81	92	88	82	84	92	93	94	86	80	77	78	77	75	87	85	79	84.9
	MIN	63	60	59	51	54	65	63	62	57	54	63	58	50	45	45	61	73	61	51	61	58	61	65	48	57	50	56	51	47	54	57	56.8
CENTER	MAX	89	93	80	82	90	79	77	68	78	85	90	96	84	78	87	90	87	81	90	89	85	102	96	80	70	78	75	75		89	78	84.0
	MIN	65	64	56	57	58	53	51	55	58	46	54	48	63	61	51	50	48	56	50	48	56	60	56	42	50	42	52	43	40	47	47	52.5
COOPERSTOWN	MAX	95	87	76	84	90	91	77	73	77	84	88	94	89	74	80	93	89	80	79	88	96	95	91	80	78	76	75	73	82	89	88	84.2
	MIN	69	63	57	51	61	60	56	57	52	49	54	56	58	43	52	61	63	61	49	57	60	60	62	46	56	48	59	49	47	58	56	55.8
CROSSBY	MAX	91	87	77	81	85	81	73	76	80	86	92	93	87	79	86	88	86	88	95	92	82	87	96	77	79	77	74	72	81	84	80	83.6
	MIN	64	57	59	53	56	52	51	51	52	51	52	52	58	50	52	54	60	47	58	55	57	55	54	40	50	42	47	39	45	48	44	51.8
DEVILS LAKE WB CITY	MAX	95	78	74	80	88	83	74	74	75	84	90	94	70	73	81	93	82	82	83	90	89	95	79	80	61	75	74	73	83	85	77	81.1
	MIN	69	62	54	50	61	63	58	57	52	52	60	64	49	43	55	62	66	58	51	54	61	60	53	46	52	48	57	48	49	56	53	55.5
DICKINSON FAA AIRPORT	MAX	96	87	83	89	81	72	75	65	80	83	88	92	78	75	92	88	80	85	88	95	84	105	83	83	66	80	72	74	86	93	77	83.1
	MIN	60	63	54	60	61	57	53	52	49	54	55	60	56	53	62	60	58	53	56	60	63	59	49	44	47	43	54	45	48	52	54	54.6
DICKINSON EXP STATION	MAX	100																															

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GACKLE	MAX MIN	88 65	92 66	86 60	84 54	86 61	82 64	82 59	75 56	81 53	86 49	89 56	93 57	86 66	75 41	84 53	93 70	85 66	76 60	79 60	88 64	94 58	97 64	93 64	79 45	71 62	75 54	76 57	73 47	81 48	89 57	81 51	83.8 57.6	
GARRISON	MAX MIN	98 68	96 67	91 63	73 55	80 57	86 60	74 50	70 50	70 54	80 55	86 60	91 57	96 61	79 49	75 57	88 59	90 64	82 56	84 55	88 58	87 56	80 58	97 60	79 52	59 47	75 55	75 46	74 50	84 52	88 51	82.4 56.1		
GRAFTON	MAX MIN	89 59	83 54	74 52	83 41	91 50	90 59	83 54	83 53	78 49	85 43	92 50	95 57	92 58	74 41	81 49	92 60	90 70	80 65	81 50	87 51	93 62	94 60	90 80	77 60	76 57	75 47	74 52	85 50	86 57	85 51	84.5 54.0		
GRAND FORKS FAA AIRPORT	MAX MIN	90 69	84 61	76 58	81 59	88 60	83 65	80 61	73 59	75 54	82 52	89 55	93 55	71 49	73 40	82 51	65 49	69 50	52 61	51 60	65 61	60 51	65 60	61 58	47 47	56 51	56 51	52 47	50 47	60 57	57 57	81.9 58.9		
GRAND FORKS UNIVERSITY	MAX MIN	90 71	85 64	76 59	81 59	88 60	84 65	79 61	75 59	74 54	83 52	89 55	93 55	85 49	73 40	80 51	90 65	84 70	76 61	76 55	84 56	89 56	92 61	86 58	79 47	73 56	76 51	73 47	75 52	84 51	87 60	79 60	81.9 58.9	
GRAND RAPIDS 1 N	MAX MIN	89 67	94 58	88 60	84 54	88 63	84 63	82 56	76 55	78 55	84 46	95 57	94 55	88 49	77 38	83 56	92 56	86 56	76 62	75 52	87 62	94 57	99 62	96 67	78 57	77 43	73 59	76 49	82 54	89 59	84 59	85.0 56.4		
GRANVILLE	MAX MIN	95 66	89 62	74 58	82 54	81 69	81 58	75 54	69 55	79 52	84 49	89 54	91 55	86 60	75 54	85 58	85 62	82 65	84 52	90 52	90 58	87 60	85 59	90 48	70 49	75 45	78 45	75 45	74 45	83 50	85 50	76 48	81.9 55.5	
GRENDORA	MAX MIN	95 58	89 64	80 64	87 53	84 54	77 55	69 50	76 44	77 50	88 54	92 54	92 53	85 57	82 50	87 57	88 55	88 57	88 57	96 55	86 46	84 45	89 45	90 45	75 45	70 48	78 49	69 51	71 41	80 51	83 43	80 43	83.2 52.0	
HANKINSON R R STATION	MAX MIN	90 67	81 60	92 62	84 58	83 62	83 65	83 62	83 58	73 59	77 53	82 54	89 58	90 63	74 47	74 48	73 54	89 63	78 63	72 59	74 58	80 58	89 61	93 66	90 53	78 45	75 55	77 50	75 45	82 51	85 52	81.5 57.6		
HANNAH	MAX MIN	88 61	82 54	78 53	81 54	86 59	81 58	76 44	72 52	74 50	83 45	86 52	80 50	82 52	74 35	79 49	86 60	85 68	82 50	85 45	90 46	84 58	92 56	86 60	79 42	69 52	73 40	73 40	82 45	81 45	77 43	80.9 50.9		
HANSBORO	MAX MIN	89 58	90 58	75 55	80 52	85 54	82 55	84 51	87 55	78 55	76 51	84 51	82 53	82 49	79 45	85 47	87 48																	
HETTINGER	MAX MIN	92 72	88 67	84 55	85 59	84 61	73 56	74 52	65 48	78 57	80 49	89 50	92 56	80 58	77 53	93 59	87 53	76 57	78 50	53 42	87 50	86 51	105 58	93 50	83 48	69 55	83 48	76 51	75 48	79 50	77 46	77 46	79 50	84.0 57.6
HILLSBORO	MAX MIN	93 66	87 62	82 59	84 54	90 54	86 56	80 59	71 54	76 54	82 53	90 58	94 54	86 62	75 45	85 54	86 65	91 67	83 64	76 55	85 59	90 59	94 60	88 51	79 60	77 53	77 53	79 50	76 47	83 53	89 46	87 46	84.0 57.6	
JAMESTOWN FAA AIRPORT	MAX MIN	88 65	87 60	74 59	85 51	90 61	86 59	80 51	67 61	81 59	85 50	90 55	94 55	74 49	75 41	83 56	94 61	80 63	78 57	80 52	95 58	90 58	95 60	79 54	90 53	76 50	77 43	75 43	83 48	90 50	82 43	84.5 56.6		
JAMESTOWN STATE HOSP	MAX MIN	88 67	90 62	80 60	86 53	90 62	86 60	81 57	76 59	76 53	85 50	89 55	93 55	86 61	73 44	82 56	92 61	86 63	76 53	79 51	90 53	95 58	98 61	94 62	90 53	76 50	77 43	75 43	83 48	90 50	82 43	84.5 56.6		
KEENE 2 S	MAX MIN	98 58	87 64	78 55	87 54	88 56	80 56	74 48	77 46	80 48	84 48	92 58	94 59	74 54	79 49	90 59	86 56	82 61	87 49	93 67	93 62	86 58	97 58	89 53	78 46	60 51	77 44	71 44	72 42	82 48	88 49	77 49	83.2 53.4	
KENMARE	MAX MIN	96 60	95 64	78 58	76 54	80 55	85 58	78 51	70 50	76 56	78 51	84 57	90 54	94 57	75 48	88 55	85 62	86 62	84 57	85 50	92 54	92 58	90 54	86 55	78 47	82 50	77 46	73 43	82 48	84 50	81.7 53.1			
KENSAL WILDLIFE REFUGE	MAX MIN	95 65	91 58	85 56	89 47	92 60	90 57	81 55	77 55	80 49	87 55	92 55	98 55	85 40			85 62	88 62	81 57	84 50	92 58	99 59	95 62	82 42	75 57	76 47	72 42	74 45	82 48	92 45	90 49	86.7 53.4		
LANGDON EXP FARM	MAX MIN	91 61	88 58	77 51	82 45	88 55	85 61	79 54	80 56	85 47	86 46	90 52	93 54	90 56	73 36	79 50	90 58	87 62	80 59	83 59	88 54	87 59	90 56	89 62	78 54	74 42	73 42	72 42	82 48	88 46	77 46	82.8 52.3		
LARIMORE	MAX MIN	93 68	87 63	77 53	82 51	90 63	86 62	78 51	75 53	78 62	84 59	90 57	95 57	84 59	75 42	82 53	95 63	83 71	82 64	87 61	79 59	88 60	89 67	79 56	76 50	73 50	74 50	75 50	88 58	84 54	83.6 57.4			
LEEOS	MAX MIN	94 66	92 63	77 56	80 55	88 57	83 60	78 55	75 50	77 60	85 50	88 53	93 58	86 56	73 43	82 58	84 61	82 66	83 54	87 47	91 52	87 60	93 54	92 47	72 46	74 46	73 43	83 48	85 48	82 49	82.0 52.0			
LINTON	MAX MIN	95 68	95 61	96 56	89 61	89 61	83 63	84 52	78 49	80 46	85 40	92 61	96 59	91 59	78 40	89 59	97 72	88 65	78 56	84 48	94 56	105 66	101 64	84 44	79 46	81 44	81 44	78 46	89 48	85 50	88.4 54.5			
LISBON	MAX MIN	92 68	91 58	90 60	85 52	86 63	86 63	86 52	80 63	77 63	83 52	91 63	92 63	87 60	76 51	80 51	91 51	87 61	80 56	85 58	91 55	95 62	80 45	78 45	84 59	82 57	78 47	81 47	88 59	87 60	85.2 56.5			
LOSTWOOD 12 N	MAX MIN	95 57	89 57	73 57		78 50	54 50	65 49	72 49	75 51	87 51	86 51	89 54	84 53	79 47	82 51	85 53	86 48	90 56															
MAOOCK AGRI SCHOOL	MAX MIN	97 56	94 62	77 56	83 48	89 59	85 59	79 54	85 56	78 50	84 50	89 57	93 58	89 57	76 41	86 53	92 62	84 62	85 54	83 48	96 52	88 54	97 61	93 43	83 43	75 52	78 47	78 47	75 47	88 51	88 51	85.0 53.1		
MANOAN EXP STATION	MAX MIN	98 60	95 66	94 59	82 54	88 62	86 60	81 55	80 57	62 59	79 50	85 51	90 51	96 60	45 45	51 51	62 62	63 56	56 50	53 53	59 59	61 61	62 47	73 55	45 54	55 54	51 46	54 46	51 46	54 46	50 46	54.0 51.0		
MANOAN FT LINCOLN PARK	MAX MIN	95 58	94 58	91 56	87 46	89 58	82 58	84 53	71 49	82 69	86 46	87 51	91 55	81 46	89 60	93 86	88 64	93 47	86 46	92 58	104 58	101 45	80 45	73 45	79 45	87 45	86 45	86 45	87 45	88 45	87 45	88.0 53.0		
MARMARTH	MAX MIN	102 69	96 65	89 51	78 61	92 57	86 58	76 48	76 53	69 41	79 46	86 45	92 50	91 51	84 55	79 61	93 54	85 42	74 56	85 42	92 66	103 66	74 43	85 55	65 43	85 55	75 43	76 43	89 43	95 43	85.0 52.0			
MAX	MAX MIN	95 65	93 64	88 60	74 52	82 55	88 55	79 49	75 52	68 55	78 49	85 52	90 61	84 59	75 44	81 51	88 60	88 54	80 48	92 50	95 52	97 60	92 56	86 42	79 53	85 41	92 51	86 43	91 43	83 43	83.0 52.0			
MAYVILLE	MAX MIN	94 68	87 62	80 57	84 52	88 58	88 60	78 61	78 57	77 51	83 52	90 59	94 57	83 62	75 42	77 52	88 66	88 62	80 54	92 59	95 59	97 69	86 50	86 47	79 59	85 52	92 60	73 53	75 53	89 59	83.0 52.0			
MC CLUSKY	MAX MIN	95 66	92 65	73 62	83 53	89 60	85 60	77 53	67 53	77 60	83 51	91 54	94 55	90 58	75 43	85 57	90 62	87 63	87 56	95 50	95 51	89 59	95 61	95 45	80 45	73 51	75 43	85 43	89 43	85 43	84.0 52.0			
MC HENRY 5 N	MAX MIN	94 67	82 61	75 54	81 49	90 58	87 60	77 55	68 56	78 50	84 47	88 53	95 54	78 56	75 43	83 48	93 60	84 56	78 48	80 52	88 60	96 44	95 60	86 44	78 45	80 45	77 45	73 45	83 45	89 45	83.0 52.0			
MC LEO 3 E	MAX MIN	85 61	91 58	81 60	85 53	88																												

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MOTT	MAX	94	90	82	88	83	77	74	63	78	83	88	91	77	72	93	89	79	81	86	93	84	104	89	83	73	80	74	75	87	91	81	83.3
	MIN	72	65	53	53	60	58	49	54	44	48	48	50	57	47	60	60	58	48	47	54	64	58	60	42	48	38	46	44	42	42	50	52.2
MUNICH 4 SW	MAX	90	80	77	80	87	83	77	77	74	83	87	90	71	72	81	83	88	84	85	89	83	93	86	74	78	73	74	71	84	83	76	81.1
	MIN	63	59	53	50	56	60	65	50	51	47	50	54	54	40	50	61	61	52	48	48	60	57	60	43	44	44	56	43	42	48	46	52.1
NAPOLEON	MAX	97	92	82	82	85	82	80	72	77	84	90	94	85	75	85	95	85	75	81	89	95	103	93	81	75	77	75	74	84	89	81	84.3
	MIN	65	60	60	56	62	66	57	57	48	47	54	52	56	43	57	72	64	58	47	49	59	61	63	46	47	46	51	46	59	54	55	55.4
NEW ENGLAND	MAX	95	89	84	88	80	73	76	65	78	83	90	91	78	75	93	87	78	82	87	95	85	104	92	83	77	81	73	75	86	94	80	83.8
	MIN	64	67	53	55	58	59	50	54	46	48	49	53	56	47	59	57	57	51	50	55	60	58	56	41	50	38	54	44	43	47	53	52.6
NEW 54LEM 1 SE	MAX	95	93	82	88	86	80	80	66	79	85	91	98	80	76	87	93	86	83	88	97	87	104	92	81	72	77	76	76	87	90	81	85.0
	MIN	60	68	58	52	60	59	52	53	49	50	53	60	50	42	59	60	66	56	55	59	60	58	59	51	53	47	57	47	51	51	52	55.1
NEWTOWN	MAX	96	92	75	84	86	77	76	74	80	85	91	91	86	75	86	86	83	86	90	92	88	95	92	81	71	75	71	73	82	88	83	83.5
	MIN	63	65	51	55	55	57	49	53	52	52	50	51	59	50	58	57	64	54	57	58	60	58	56	42	54	43	54	45	44	48	48	53.6
O4KES	MAX	91	90	88	82	84	83	81	78	77	81	89	89	87	73	83	91	87	75	74	81	90	95	92	77	77	74	82	75	80	83	83	83.0
	MIN	69	60	61	57	63	66	59	57	55	51	56	58	60	42	53	70	70	60	56	56	58	65	65	47	59	49	61	58	48	64	60	58.5
P4RK RIVER	MAX	94	91	79	86	91	90	81	81	78	84	91	95	93	75	81	94	92	82	86	90	94	95	91	80	78	76	75	73	85	87	85	85.6
	MIN	67	60	58	49	54	65	60	61	55	52	62	58	58	42	45	61	71	63	52	59	58	63	69	48	54	50	55	50	52	60	58	57.1
PARSHALL	MAX	97	91	76	86	90	81	76	75	81	86	92	94	90	76	87	88	88	88	93	98	93	97	95	82	80	76	75	73	83	88	86	85.8
	MIN	62	66	59	50	52	55	50	53	46	53	45	47	58	46	58	57	62	45	60			58		43	53	43	52	41	53	45	44	52.0
PEMBINA	MAX	87	85	79	82	87	85	83	79	78	85	90	91	85	75	80	90	88	78	82	88	88	85	81	79	74	77	75	76	85	84	79	82.6
	MIN	64	68	56	45	52	64	56	60	53	49	55	54	55	38	46	60	71	60	52	60	60	60	66	50	54	47	54	47	45	54	51	54.8
PETERSBURG	MAX	93	85	75	80	89	34	75	71	75	82	87	91	84	71	78	91	85	79	80	86	93	92	85	77	70	73	71	71	81	86	76	81.2
	MIN	68	63	52	53	56	59	58	57	50	47	57	60	57	45	49	59	66	61	48	56	60	60	62	44	55	48	57	47	44	56	55	55.1
PETTIBONE	MAX	91	87	80	81	86	83	77	75	76	83	87	92	83	73	84	92	85	77	81	89	92	94	85	78	71	73	74	72	83	87	80	82.3
	MIN	65	62	56	55	61	63	54	55	49	50	52	56	59	42	55	44	63	56	49	49	58	59	60	44	54		59	45	45	52	51	54.7
PORTAL	MAX	93	90	74	76	80	83	75	67	75	78	83	89	88	72	78	83	87	81	87	94	88	77	84	67	78	60	79	73	71	83	82	79.8
	MIN		65	60	55	55	58	50	52	49	52	56	54	59	42	55	57	64	51	61	60	58	56	57	44	55	43	51	40	48	48	41	53.1
POWERS LAKE 1 N	MAX	94			76	82	78	66	75	80	85	92	91	84	71	83	85	85		90	91	81	90	84	77	60	74	70	70	81	85	81	80.8
	MIN	57			50	57	50	52	48	50	56	50	53	56	50	52	58		55	58	62	58	62	42	52	48	43	40	40	43	49	44	51.4
RAUB 10 SSW	MAX	96	91	84	88	90	78	76	80	79	84	91	94	95	77	88	89		85	90	96		98	90	81	74	72	74		83	88	79	85.4
	MIN	68	56	57	60	57	60	53	54	59	57	59	62	60	52				55	58	62		60	59	49	54	46	46		50	55	50	56.1
RICHAROTON ABBEY	MAX	95	91	81	87	87	78	77	72	78	84	90	92	87	75	90	88	81	84	89	96	87	102	98	83	78	78	75	75	86	91	85	85.2
	MIN	64	68	57	56	59	60	52	50	48	53	56	61	63	47	56	62	60	53	54	58	62	58	58	43	52	43	54		47	47	52	54.0
RIVEROALE	MAX	98	95	90	77	85	87	79	77	79	79	85	90	93	73	76	88	91	81	82	86	94	83	99	72	80	60	75	73	74	85	86	82.6
	MIN	58	68	61	54	60	59	59	55	54	61	56	58	61	47	54	55	63	58	55	56	59	59	61	48	54	46	50	46	46	56	52	55.7
ROLLA	MAX	89	82	73	77	83	80	73	73	74	81	84	86	77	72	79	85	80	82	87	91	76	90	84	78	62	73	72	72	82	81	76	79.2
	MIN	64	62	56	50	55	63	57	55	56	53	60	58	46	43	49	58	65	57	52	57	57	56	61	43	51	44	54	45	43	54	53	54.1
RUGBY	MAX	96	94	72	84	88	86	81	74	78	86	90	93	91	78	84	85	83	86	90	95	94	94	92	79	78	74	74	74	84	85	82	84.6
	MIN	65	66	50	52	61	59	50	58	52	52	54	60	57	43	57	62	68	53	53	54	58	58	60	47	55	45	57	45	48	52	50	54.9
SAN HAVEN	MAX	90	85	75	87	83	80	75	73	75	82	85	87	79	71	78	84	79	81	87	90	85	90	87	76	73	72	72	71	81	81	76	80.3
	MIN	65	63	58	50	60	60	56	55	55	49	56	56	54	47	54	60	65	54	52	52	60	56	59	43	52	44	56	44	42	48	53	54.1
SHARON	MAX	90	86	78	84	88	86	74	72	76	81	85	90	86	72	78	92	85	80	80	85	90	93	88	77	72	73	74	75	81	87	80	81.9
	MIN							57	56	50	48	54	56	58	43	51	62	72	62	50	55	60	58	62	45	52	47	57	56	48	59	56	55.0
STANLEY	MAX	95	89	72	83	86	79	73	74	78	81	91	90	84	76	85	88	84	88	92	94	82	92	85	79	68	75	72	70	80	86	81	82.3
	MIN	61	60	59	50	54	59	50	51	54	52	50	54	56	42	52	56	63	51	55	55	57	56	56	42	51	49	44	40	44	49	45	52.2
STEELE	MAX	92	89	78	82	86	83	79	72	77	84	90	93	86	74	86	94	89	78	83	91	93	101	96	80	76	76	75	72	83	88	85	84.2
	MIN	65	61	59	55	62	62	52	52	50	52	55	55	60	42	52	68	65	55	52	52	62	60	62	46	57	46	60	47	49	55	55	55.6
TLOGA 1 E	MAX	99	96	87	77	85	87	80	70	75	81	87	93	94	77	76	84	88	80	87	93												

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Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	94	92	76	86	88	82	78	70	78	84	89	96	77	75	88	91	84	82	88	94	86	101	97	80	72	76	74	73	89	89	85	84.3
	MIN	65	64	57	52	58	59	52	52	48	53	53	52	57	44	57	62	62	53	52	52	59	58	62	45	52	44	55	48	45	54	55	54.2
WISHEK	MAX	95	86	91	79	83	85	81	81	62	78	84	89	91	74	73	83	90	77	73		89	101		77	79	74	77	78	73	81	92	81.9
	MIN	65	53	57	50	61	64	52	54		43	49	47	55	38	54	64	65	60	46	46		70		39	58	45	55	49	46	53	53	53.3

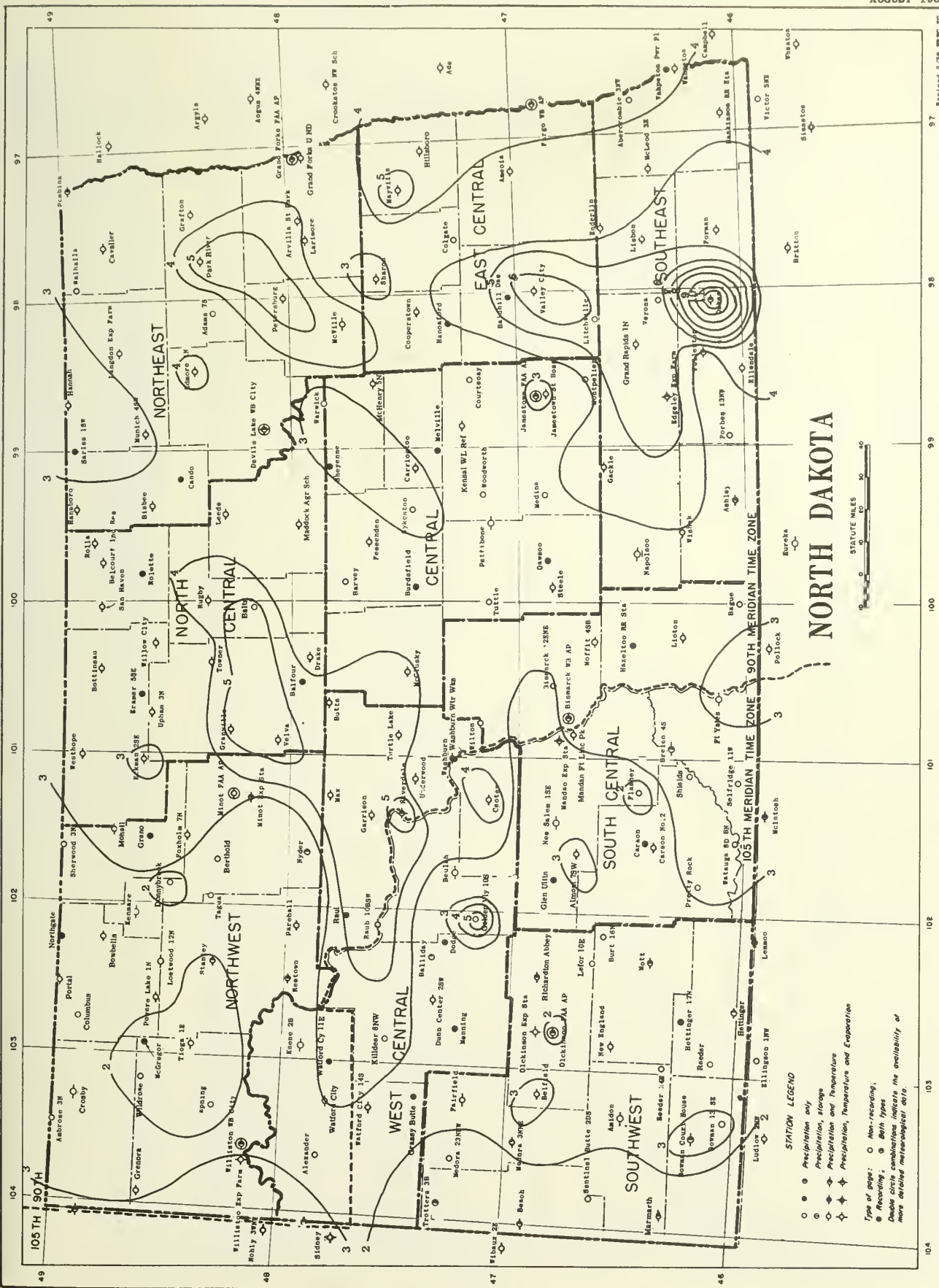
EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DEVILS LAKE WB CITY	EVAP	.25	.17	.00	.15	.38	.21	.17	.14	.23	.16	.24	.29	.22	.20	.25	.13	.20	.14	.10	.19	.31	.27	.11	.19	.00	.06	.01	.20	.24	.18	.20	5.59
	WIND	29	35	29	16	42	20	50	38	28	23	28	27	35	25	66	81	60	25	14	18	30	64	66	17	36	37	45	40	49	28	19	1118
DICKINSON EXP STATION(A)	EVAP	.45	.34	.40	.25	.11	.24	.07	.36	.08	.26	.27	.38	.40	.41	.20	.21	.39	.15	.35	.34	.31	.39	.48	.41	.15	.17	.40	.36	.15	.30	.34	9.10
	WIND	40	120	40	50	125	100	100	110	95	45	45	20	100	120	190	135	125	90	55	75	120	145	240	95	160	110	140	130	70	80	60	3130
	MAX	88	91	91	87	87	88	73	77	66	82	86	89	87	83	74	86	87	77	84	87	90	85	78	74	79	70	78	77	76	82	82	82.0
	MIN	61	64	60	59	58	62	45	58	51	52	62	60	61	52	57	61	62	55	57	59	62	62	63	46	52	44	48	48	47	50	52	55.8
EDGELEY EXP FARM	EVAP	.39	.16	-	.26	.14	.32	.22	.26	.20	.14	.19	.32	.27	.30	.30	.32	.38	.19	.03	.20	.27	.30	.35	.12	-	.43	.17	.19	.25	.24	.19	7.59
	WIND	52	25	74	56	59	37	63	54	50	71	44	45	34	89	73	135	142	83	36	31	31	46	104	56	28	137	78	52	44	82	20	2007
MANDAN EXP STATION (A)	EVAP	.25	.21	.23	.20	.28	.10	.20	.28	.09	.17	.16	.19	.27	.21	.29	.22	.20	.20	.17	.18	.21	.24	.45	.21	.23	.14	.16	.21	.19	.18	.16	6.48
	WIND	60	69	94	73	153	34	74	135	85	91	33	31	66	53	206	244	150	88	50	48	46	153	236	74	159	104	121	120	57	84	47	3038
RIVERDALE	EVAP	.39	.38	.28	.24	.40	.31	.24	.29	.18	.23	.27	.30	.35	.23	.34	.35	-	.26	.19	.28	.32	.31	.40	.21	.23	.17	.24	.31	.27	.20	.24	8.69
	WIND	86	74	89	77	125	51	108	168	65	55	48	42	56	97	149	201	104	70	31	53	79	181	186	119	141	127	123	113	103	77	53	3051
	MAX	86	90	83	81	81	87	75	75	65	79	85	88	86	76	75	78	79	82	82	86	85	84	85	82	75	57	75	73	74	79	83	79.7
	MIN	59	64	63	58	59	62	57	56	54	53	57	57	60	47	50	55	63	58	57	58	59	59	60	49	55	47	48	52	49	50	55	55.8
WILLISTON EXP FARM	EVAP	.39	.37	.17	.30	.29	.39	.23	.13	.26	.31	.47	.44	.38	.41	.40	.33	.26	.41	.46	.41	.37	.29	.47	.12	-	.18	.28	.19	.34	.37	.20	9.94
	WIND	46	95	35	73	116	114	140	98	43	35	40	54	79	71	95	51	141	60	70	46	97	142	192	38	134	99	118	131	64	80	57	2654
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

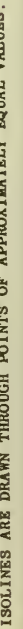
TOTAL PRECIPITATION

AUGUST 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AUGUST 1960



STATION INDEX

NORTH DAKOTA
AUGUST 1960

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TDP	PRECIP	EVAP	SPECIAL									TDP	PRECIP	EVAP	SPECIAL	
ABERCROMBIE	0005	RICHLAND	10 44 21	96 45	935	8A					HELMER AMUNDSEN	PEITIBONE	7047	KLOOER	8 47 07	99 31	1855						H. ARTHUR J. DEWEY
ADAMS 1 S	0022	WALSH	10 48 20	98 06	1554	8A					MYRON J. BATA	PORTAL	7201	BURKE	12 49 00	102 35	1956						U. S. CUSTOMS OFFICE
ALEXANDER 2 SW	0096	MCKENZIE	13 47 50	100 40	2170	8A					ELLIAM LANZ	POWERS LAKE 1 N	7281	BURKE	8 48 34	102 38	2205						HERBERT J. CLARY
ALMONT 1 SW	0136	MORTON	4 46 43	101 39	2300	7P					N. MOON RANSLOW	PRATTY ROCK	7311	GRANT	1 46 10	101 51	2400						FREDA LETER
AMBROSE 3 N	0189	DIVIDE	12 49 00	103 28	2027	7P					U. S. BORDER STATION	RAUB	7405	MCKEAN	8 47 44	102 04	1885						GEORGE A. HANSON
AMENIA	0196	CASS	11 47 00	97 15	980	55					H. VIRGIL L. GEBKE	BAUR 10 SW	7408	MCKEAN	8 47 56	102 06	1958						LYLE P. HOLIAN
ANIDON	0209	SLOPE	1 46 29	103 19	2910	8A					H. FRED FLEENER	REEFER	7450	ADAMS	3 46 06	102 57	2610						A. V. KITTLESON
ARVILLA STATE PARK	0349	GRAND FORKS	10 47 56	97 50	980	6P					VERNON C. THOMEN	7452	SLOPE	1 46 19	102 57	2784							CHAS. M. METZINGER
ASHLEY	0382	MCKINOSH	8 46 02	99 22	2001	55					U. S. LINE AGENT	RICARDOTON ARREY	7510	STARK	4 46 53	102 19	2470						ASSUMPTION ARREY
BALDWIN DAM	0450	BARNES	11 47 02	98 02	1300						U. S. CORPS OF ENGINEERS	RIVERDALE	7585	MCKEAN	8 47 30	101 21	1950						U. S. CORPS OF ENGINEERS
BALFOUR	0492	MCKENRY	12 47 57	100 32	1615	6P					C. EMIL ROOSTAD	ROLETTE	7655	ROLETTE	12 48 40	99 50	1630						C. HENRY JOHNSON
BALTA	0500	PIERCE	11 48 10	100 02	1530	6P					H. LUTHER F. MOODIN	ROLLA	7664	ROLETTE	2 48 52	99 37	1819						THEO. B. FAGEPLUND
BEACH	0500	GOLDEN VALLEY	7 46 55	104 01	2024	6A					H. TURTLE MT INDIAN AGENCY	7704	PIERCE	12 48 22	100 00	1560							FRANK HOPKINS
BEACON	0626	MCKENRY	9 48 50	99 45	1940	7P					C. H. INDERGARD	RYDER	7749	WARD	8 47 55	101 40	2108						S. C. SCHELLFABIAN
BELFIELD	0639	STARK	4 46 53	101 11	2583	7P						SAN HAVEN	7824	ROLETTE	12 48 50	100 02	2001						STANLEY DOWLING
BERTHOLD	0729	WARD	12 46 19	101 44	2080	6P					JOAN COX	SARLES 1 SW	7844	TOWNER	9 48 56	99 00	1602						C. DAVID E. MAOLANO
BEULAH	0748	MERCER	10 47 16	101 47	1780	7P					H. MONT DAK UTILITIES CO	SELFRIDGE 5 W	7952	SIOUX	1 46 02	101 06	2229						JOSEPH MOSSET
BISBEE	0796	TOWNER	2 46 37	99 22	1600	6P					ROBERT J. KRICK	SENTINEL BUTTE 20 S	7976	GOLDEN VALLEY	7 46 37	101 49	2662						G. E. BURY
BISMARK W. AIRPORT	0846	ADAMS	8 46 48	100 45	1650	MID					U. S. WEATHER BUREAU	SHARON	7986	STEELE	10 47 36	97 54	1516						H. HIGH LYON
BISMARK 12 ENE	0871	BURLINGHAM	8 46 53	100 53	1708	8A					C. H. U. S. WEATHER BUREAU	SHEPWOOD 3 N	8047	RENNVILLE	12 49 00	101 38	1647						U. S. CUSTOMS OFFICE
BOTTINEAU	0941	BOTTINEAU	12 48 30	100 27	1640	8A					H. A. O. SCHOOL OF FORESTRY	SHEPWOOD 3 N	8057	EDDY	11 47 10	99 07	1480						C. ALVIN H. KENNEDY
BOWWELLS	0941	BURKE	12 48 48	102 15	1953	8A					FELIX L. ADAMS	SHIELDS	8058	GRANT	1 46 14	101 07	1804						JAMES W. ROSENTHAL
BOWMAN COURT HOUSE	0989	BOWMAN	3 48 11	103 23	2910	5P					C. MICHAEL R. HIRSCH	STANLEY	8276	MOUNTAIN	8 48 19	102 24	2260						C. H. N. G. EVANS
BOWMAN 13 SE	0989	BOWMAN	3 48 02	103 18	2830	6P					GEORGE HIRSCH	STEELE	8366	KLOOER	8 46 51	99 55	1857						STEELE OZONE PRESS
BRITEN	1032	SIOUX	1 46 24	100 56	1720	6P					C. ANNA C. PEDERSON	STREXTON	8508	WELLS	5 47 28	99 24	1634						EDWARD SONAG
BUTTE	1225	MCKEAN	12 47 50	100 40	1885	8A					H. SAM KRITZKY	TAGUS	8627	MOUNTAIN	12 48 20	101 56	2179						W. R. ELLINGROE
CANON	1288	TOWNER	2 48 29	99 12	1481						C. HARRY E. HARRIS	100A 1 E	8773	WILLIAMS	8 48 24	102 53	2245						STIGDAL OIL AND GAS
CARRINGTON	1580	FOSTER	5 47 27	99 08	1586	8A					C. ANDREW C. HEINZ	TOWNER	8792	MCKENRY	12 48 21	100 24	1482						AUGUST B. RIEGER
CARSON	1570	GRANT	4 46 29	101 36	2510	8A					H. JACK STANLEY	TROTTERS 3 S	8812	GOLDEN VALLEY	13 47 17	103 54	2420						C. JOHN D. HELLEFGER
CAVALIER	1455	PENNINGTON	9 46 48	97 38	889	6P					H. WILLIE HANSEN PICO	TURTLE LAKE	8840	MCKEAN	8 47 31	100 53	1511						WALTER L. RENFORD
CENTER	1456	OLIVER	8 47 07	101 18	2100	7P					H. FRED L. HEINZ	TUTTLE	8830	KLOOER	8 47 08	100 00	1880						THEODORE C. DOCHNER
COLUMBUS	1644	STEELE	10 47 14	97 39	1180	6P					JOHN P. BURCHILL	UNDERWOOD 4 ESE	8872	MCKEAN	8 47 25	101 05	2001						FERDINAND KOENIG
COURTESY	1656	BURKE	12 48 54	102 47	1930	5P					J. D. SUNDLE	UPHAM 3 N	8913	MCKENRY	12 48 37	100 46	1425						U. S. FISH AND WILDLIFE
COURTESY	1656	BURKE	12 48 54	102 47	1930	5P					DELANO M. MARSON	VALLEY CITY	8937	BARNES	11 46 55	98 00	1230						GEORGE M. KENNEDY
COURTESY	1656	BURKE	12 48 54	102 47	1930	5P					G. M. HANAWALT	VELVA	8990	MCKENRY	12 48 03	100 59	1511						R. R. AYERS
CROSBY	1871	OLIVIER	12 48 54	103 18	1952	6P					C. H. J. BILLINGTON	VERONA	9035	LA MOURE	5 46 22	98 05	1382						WARREN O. TANG
DAVISON	2018	KLOOER	8 46 52	99 45	1730						C. C. L. BILLINGTON	WAMPETON POWER PLANT	9095	RICHLAND	10 46 16	96 36	962						C. OTTER TAIL PWP PL
DEVILS LAKE W. CITY	2158	RANNEY	8 46 07	98 52	1671	MID					C. H. U. S. WEATHER BUREAU	WAMPETON	9233	MCKENZIE	8 47 48	103 17	2100						H. WAMPETON WATER PLANT
DICKINSON FAA AIRPORT	2185	STARK	4 46 47	102 46	2595	MID					C. H. U. S. FED AVIATION AGENCY	WALHALLA	9153	PEMBA	9 48 55	97 55	950						FELIX A. GASTONGUAY
DICKINSON EXP STATION	2185	STARK	4 46 53	102 46	2640	7A					C. THEODORE ISAK	WARWICK	9185	BENSON	11 47 51	98 42	1470						VIRGIL B. JOHNSON
DODGE	2213	DUNN	6 47 18	102 12	1989						C. BERNICE SONENBERG	WASHBURN	9193	MCKEAN	8 47 17	101 02	1760						JUDY BOPLAUG
DONNYSBURG	2242	WARD	12 48 51	101 53	1760	6P					H. CHESELY M. OWENS	WATGUA 5 DAKOTA 8 N	9219	GRANT	1 46 02	101 34	2074						HARRY E. PATUS
DRAKE	2298	MCKENRY	12 48 51	100 22	1634	8P					C. H. U. S. WEATHER BUREAU	WATGUA 5 DAKOTA 8 N	9219	GRANT	1 46 02	101 34	2074						HARRY E. PATUS
DUNN CENTER 2 SW	2363	DUNN	6 47 20	102 36	2232	7A					H. JOHN M. ZURCHER	WATGUA CITY 1 E	9238	MCKENZIE	8 47 48	103 17	2100						C. H. J. G. ZELLER
ECKMAN 2 SE	2472	BOTTINEAU	12 48 59	101 01	1495	7A					C. N. O. AGRICULTURE EXP STA	WATGUA CITY 14 S	9343	MCKENZIE	7 47 36	103 17	1965						THEO. ROOSEVELT NMP
ELEGY EXP FARM	2482	LA MOURE	5 46 20	98 42	1568	8A					H. WILLIAM E. COLLINS	WESTHOPE	9400	WILLIAMS	12 48 55	101 01	1508						HARRY KLINE
ENDORE 1 N	2525	RANNEY	12 48 25	98 28	1520	6P					C. H. U. S. WEATHER BUREAU	WILDBROSE	9400	WILLIAMS	8 48 38	103 10	2258						JONATHAN WINKER
ELLERDALE	2605	DICKEY	2 46 50	98 31	1640	8P					H. WILLIAM E. COLLINS	WILLISTON W. CITY	9400	WILLIAMS	8 48 09	103 37	1877						C. H. U. S. WEATHER BUREAU
ENDERLIN	2695	RANNEY	11 46 57	97 58	1120	7A					LEONARD PETERSON	WILLISTON W. CITY	9400	WILLIAMS	8 48 09	103 37	1877						GEORGE KAPUSTA
ERRING	2705	WILLIAMS	8 48 17	103 21	2224	6P					E. F. CARPENTER	WILLOW CITY	9455	BOTTINEAU	12 48 36	100 17	1471						H. MRS. O. M. SANDERSON
FAIRFIELD	2809	BILLINGS	7 47 11	103 13	2750	6P					H. JOHN P. BURCHILL	WILTON	9455	MCKEAN	8 47 09	100 48	2171						EDWIN PETERSON
FARGO W. AIRPORT	2855	CASS	10 46 54	96 48	810	MID					C. H. U. S. WEATHER BUREAU	WISNER	9515	MCKINOSH	8 46 18	99 36	2010						J. W. HELLERUD
FESSENDEN	2949	WELLS	5 47 39	99 37	1620	6P					H. EMIL E. RUST	WOODWORTH	9575	STUTSMAN	5 47 09	99 18	2041						CHESTER W. THOMPSON
FLORES 15 NW	3048	MORTON	1 46 27	101 14	1930	8A					GEORGE M. SINCLAIR												
FORMAN	3117	SARGENT	10 46 06	97 39	1245	6P					H. ART WATERMAN												
FORT YATES	3207	SIOUX	8 46 06	100 38	1640	8A					H. SOIL CONSERVATIONIST												
FOHOLM 7 N	3217	WARD	12 48 27	101 34	1609	5P					U. S. WILDLIFE REFUGE												
FULLERTON	3287	OLNEY	5 46 10	98 25	1410	7P					H. O. ALIN												
GACKLE	3309	LOGAN	5 46 38	98 00	1951	6P					ALVIN HUMMEL												
GARRISON	3576	MCKEAN	8 47 38	101 25	1911	7A					C. ALBERT J. BEERLE												
GLEN ULLIN	3496	MORTON	4 46 49	101 49	2090						C. FREDERICK J. ANDORN												
GOLDEN VALLEY 10 S	3529	MERCER	6 47 10	102 03	1870	6P					C. ROBERT M. BACKFISCH												
GRAFTON	3596	WALSH	10 48 25	97 25	827	5P					C. H. U. S. WEATHER BUREAU												
GRAND FORKS FAA AIRPORT	3616	GRAND FORKS	10 47 56	97 05	832	MID					C. H. U. S. FED AVIATION AGENCY												
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10 47 55	97 05	830	MID					C. UNIVERSITY OF N D												

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- AM Data based on observational day ending before noon.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

SEPTEMBER 1960
Volume 69 No. 9



ASHEVILLE: 1960

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NORTH DAKOTA - SEPTEMBER 1960

WEATHER SUMMARY

September was a dry month with below normal precipitation in all of the sections of the State. Based on averages by climatic divisions, the totals for the month ranged from 9 percent of normal in the west-central, to 63 percent in the southeast. These percentages represent a deficiency of from one and one-fourth inches in the west-central to slightly more than one-half inch in the southeast. The precipitation in the eastern tier of counties representing the larger portion of the agriculture area of the Red River Valley received just about 50 percent of normal.

Very dry conditions existed in the Theodore Roosevelt National Memorial Park as both stations, Medora 3 NNE and Medora 22 NNW received no precipitation. Eckman 2 SE, Medina, Raub 10 SSW, Tioga 1 E, and Westhope received no measurable precipitation although traces were reported several times during the month.

In Bismarck this was the fourth driest September on record and the driest since 1948. The month was the third driest on record at Devils Lake.

The effect of the precipitation shortage was accentuated by the fact that in the northwest division and most of the central and west-central divisions, no measurable precipitation fell after the 8th of the month. The remainder of the western half of the State received one other shower, although widely scattered, on the 18th.

Temperatures for the month were not unusual, being about 2 degrees above normal.

Sanford R. Miller
State Climatologist
U. S. Weather Bureau
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 104° on the 5+ at Two Stations

Lowest Temperature: 16 on the 30th at Medora 3 NNE

Greatest Total Precipitation: 1.84 inches at Grand Forks University

Least Total Precipitation: 0.00 at Two Stations

Greatest one-day Precipitation: 1.40 inches on the 1st at Pettibone

SUPPLEMENTAL DATA

NORTH DAKOTA
SEPTEMBER 1960

Station	Wind direction		Wind speed m p h				Relative humidity averages percent			Number of days with precipitation								Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of latest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
BISMARCK WB AIRPORT	WNW	10	10.6	42	NW	29	67	75	40	35	1	2	2	0	0	0	5	83	4.4
DEVILS LAKE WB CITY	S	-	7.7	21	NW	24	-	84	52	51	7	3	0	0	0	0	10	72	4.8
FARGO WB AIRPORT	S	16	13.9	88	N	1	83	90	58	60	8	2	2	1	0	0	11	57	5.4
WILLISTON WB AIRPORT	S	-	6.4	26	W	25	-	75	46	32	0	4	0	0	0	0	4	83	4.0

CLIMATOLOGICAL DATA

Station	Temperature											Precipitation															
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet		No of Days							
										Max		Min						Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More				
										90° or Above	80° or Above	70° or Above	60° or Above														
NORTHWEST DIVISION																											
BCWBELLS	73.8	41.8	57.8		96	3	26	30	248	3	0	6	0	.40		.29	5	.0	0		1	0	0				
CROSBY	74.6	42.0	58.3	3.3	93	3	23	30	234	3	0	5	0	.52	- .57	.46	4	.0	0		1	0	0				
FOXHOLM 7 N	77.7	43.0	60.4	3.5	98	2	24	30	198	5	0	5	0	.14	- 1.10	.11	5	.0	0		1	0	0				
GRENORA	75.0	42.8	58.9		96	4	29	28	225	3	0	4	0	.47		.22	4	.0	0		1	0	0				
KENMARE	74.0	42.4	58.2		96	3	30	30+	237	4	0	4	0	.10	- 1.26	.07	5	.0	0		2	0	0				
LOSTWOOD 12 N	74.3	42.0	58.2		93	3	24	30	250	5	0	4	0	.31		.14	5	.0	0		2	0	0				
MINOT FAA AIRPORT	73.5	45.4	59.5		98	2	32	30	221	5	0	1	0	.13		.06	8	.0	0		0	0	0				
MINOT EXP STATION	73.5	44.4	59.0		96	3	27	30	232	5	0	3	0	.14		.08	8	.0	0		0	0	0				
MOHALL	75.6	41.7	58.7	2.3	96	2	25	30	237	3	0	4	0	.16	- 1.26	.13	5	.0	0		1	0	0				
NEWTOWN	75.7	43.9	59.8	3.7	96	2	24	30	214	4	0	4	0	.06	- 1.16	.05	8	.0	0		0	0	0				
PARKSHALL	76.4	41.6	59.0		96	2	23	30+	229	4	0	5	0	.07	- 1.37	.06	16	.0	0		0	0	0				
PARTIAL	72.2M	40.6M	56.4M	1.3	92	4+	27	30	286	2	0	6	0	.24	- 1.00	.20	5	.0	0		1	0	0				
POWERS LAKE 1 N	74.3M	41.0M	57.7M		95	3	22	30	264	3	0	6	0	.20		.20	4	.0	0		1	0	0				
STANLEY	74.4	42.6M	58.5M		96	2	22	30	250	4	0	5	0	.23		.17	4	.0	0		1	0	0				
TIOGA 1 E	74.2	40.0M	57.1M		97	4	24	30	290	3	0	6	0	T		T	14	.0	0		0	0	0				
WILLISTON WB CITY	74.2	46.2	60.2	3.0	100	4	30	30	209	3	0	2	0	.05	- 1.16	.02	16	.0	0		0	0	0				
WILLISTON EXP FARM	74.7	45.2	60.0		98	4	32	30+	199	3	0	2	0	.02		.02	8	.0	0		0	0	0				
DIVISION																											
			58.7		2.7									.19	- 1.09			.0									
NORTH CENTRAL DIVISION																											
BELCOURT INDIAN RES	72.2	40.1	56.2		94	2	25	27+	295	2	0	10	0	.36		.15	16	.0	0		1	0	0				
BOTTINEAU	72.0	42.3	57.2	1.4	96	3	26	30+	286	3	0	6	0	.16	- 1.22	.05	24+	.0	0		0	0	0				
DRAKE	73.4M	44.4M	58.9M	2.0	95	21+			225	2	0	2	0	.34	- 1.07	.13	1	.0	0		2	0	0				
ECKMAN 2 SE	75.2M	40.2	57.7M	2.2	98	3	26	30	253	4	0	0	0	T		T	24+	.0	0		0	0	0				
GRANVILLE	74.4	45.0	59.7	2.3	97	2	27	30	217	3	0	4	0	.25	- .98	.11	8	.0	0		2	0	0				
LEEOS	74.4	43.9	59.2		96	2	28	30	213	3	0	6	0	.11		.05	29+	.0	0		0	0	0				
MAODOCK AGRI SCHOOL	77.0	43.6	60.3	2.8	99	2	22	30	198	3	0	4	0	.01		.01	29	.0	0		0	0	0				
ROLLA	71.1	44.2	57.7		95	2	31	23	253	1	0	1	0	.48	- 1.46	.01	29	.0	0		0	0	0				
RUGBY	75.6	45.4	60.5		96	2	28	30	202	4	0	4	0	.32	- .99	.14	24	.0	0		2	0	0				
SAN HAVEN	71.9	43.7	57.8	2.2	93	2	29	22	252	1	0	4	0	.42	- .97	.12	29+	.0	0		1	0	0				
TOWNER	75.8	39.9	57.9	3.6	97	2	22	30	252	4	0	7	0	.35	- 1.07	.29	8	.0	0		1	0	0				
UPHAM 3 N	77.0	41.7	59.4		98	2	22	30	224	5	0	6	0	.05		.03	29	.0	0		1	0	0				
VELVA	75.6	43.8	59.7	2.1	97	2	26	30	206	5	0	5	0	.25	- 1.08	.10	16+	.0	0		2	0	0				
WESTHOPE	72.5	42.4M	57.5M	1.2	93	20	27	30	258	2	0	5	0	T		T	29+	.0	0		0	0	0				
WILLOW CITY	75.6	40.7M	58.2M	2.5	97	3	23	22	245	3	0			.13	- 1.13	.10	16	.0	0		1	0	0				
DIVISION																											
			58.5		2.4									.22	- 1.17			.0									
NORTHEAST DIVISION																											
ARVILLA STATE PARK	77.0M	45.5M	61.3M		94	2	27	30	155	2	0		0	.87		.52	1	.0	0		2	1	0				
ISBEE	74.0	43.6M	58.8M		96	2	28	30	234	1	0	5	0	.16		.08	16+	.0	0		0	0	0				
CAVALIER	74.5	47.5	61.0		94	2	32	30	171	2	0	1	0	.52		.35	29	.0	0		1	0	0				
DEVILS LAKE WB CITY	72.3	45.1	58.7	2.4	95	2	32	30	230	2	0	1	0	.16	- 1.91	.08	29	.0	0		0	0	0				
OMORE 1 N	72.7	42.9	57.8		92	3+	27	30+	250	2	0	7	0	.31		.13	29	.0	0		2	0	0				
DRAFTON	74.7		M		95	3+	31	23		2	0	2	0	1.02	- 1.03	.47	29	.0	0		2	0	0				
GRAND FORKS FAA AIRPORT	71.9	47.8	59.9		94	2	31	30	246	1	0	3	0	1.50		.55	1	.0	0		4	1	0				
GRAND FORKS UNIVERSITY	73.7M	39.3M	56.5M	2.5	93	2	32	30	205	1	0	1	0	1.84		.73	1	.0	0		5	2	0				
JANNAH		M	M		94	2	28	27+	279	1	0	7	0	.59	- 1.32	.35	29	.0	0		2	0	0				
JANSBORO		M	M							1	0			.49	- .88	.20	16	.0	0		2	0	0				
ANGON EXP FARM	73.5	41.7	57.6	2.1	93	2	27	17	254	2	0	7	0	.72	- 1.33	.54	29	.0	0		2	1	0				
ARIMORE	73.8	46.6	60.2	2.4	95	2	30	30	197	1	0	1	0	1.17	- .56	.79	1	.0	0		2	1	0				
CL VILLE	71.4	44.4	57.9		87	20	25	30	251	0	0			1.54		1.23	1	.0	0		2	1	1				
UNION 4 SW	73.3	40.9	57.1		94	2	27	30+	259	2	0	7	0	.44		.13	29	.0	0		2	0	0				
ARK RIVER	74.9	47.6	61.3	4.1	95	2	34	23+	172	2	0	0	0	.85	- 1.28	.65	29	.0	0		1	1	0				
EMBINA	75.5	45.2	60.4		93	2	31	30	184	2	0	2	0	.30	- 2.15	.17	29	.0	0		2	0	0				
ETERSBURG	71.2	44.6	57.9		92	2	28	30	246	1	0	5	0	.48	- 1.30	.23	1	.0	0		2	0	0				
DIVISION																											
			59.0		2.7									.76	- 1.16			.0									
WEST CENTRAL DIVISION																											
EULAH	76.9	44.0	60.5		101	2	21	30	200	5	0	3	0	.22		.20	8	.0	0		1	0	0				
UTTE	72.8	44.8																									

CLIMATOLOGICAL DATA

NORTH DAKOTA
SEPTEMBER 1960

Continued

Station	Temperature													Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days					
										Max		Min							Total	Max Depth on Ground	Date	10 or More	50 or More				
										30° or above	32° or below	32° or below	32° or below	32° or below													
TURTLE LAKE	75.0	45.3	60.2		96	2	26	30	203	5	0	2	0	0	.18		.16	8	.0	0		1	0	0			
UNDERWOOD 4 ESE	75.7	45.8	60.8		98	2	28	30	187	4	0	2	0	0	.14		.10	8	.0	0		1	0	0			
WASHBURN																											
WATFORD CITY	76.0	45.4	60.7	2.7	100	4	27	30	192	4	0	3	0	0	.08	- 1.17	.05	16	.0	0		0	0	0			
WATFORD CITY 14 S	80.4	43.7	62.1		101	5	25	30	168	6	0	3	0	0	.09		.06	8	.0	0		0	0	0			
WILTON	74.4	44.2	59.3		97	2	24	30	222	4	0	1	0	0	.10		.05	8+	.0	0		0	0	0			
DIVISION			59.7	2.6											.12	- 1.24			.0								
CENTRAL DIVISION																											
CARRINGTON	73.0	42.1	57.6	1.2	95	3	24	30	257	2	0	4	0	0	.56	- .90	.46	1	.0	0		1	0	0			
FESSENDEN	75.8M	42.5M	59.2M	1.7	94	20	23	30	224	4	0	3	0	0	.16	- 1.31	.12	1	.0	0		1	0	0			
JAMESTOWN FAA AIRPORT	//R	74.3	44.1	59.2	97	2	22	30	222	1	0	3	0	0	.23		.13	21	.0	0		1	0	0			
JAMESTOWN STATE HOSP		74.3	46.4	60.4	1.9	97	2	23	30	198	1	0	3	0	.12	- 1.20	.09	21	.0	0		0	0	0			
KENSAL WILDLIFE REFUGE		76.7	43.3	60.0	94	2	23	30	203	2	0	3	0	0	.30		.13	23+	.0	0		2	0	0			
MC CLUSKY	75.5	44.4	60.0	2.0	98	2	23	30	208	6	0	3	0	0	.05	- 1.42	.03	8+	.0	0		0	0	0			
MC HENRY 5 N	72.0	43.4	57.7		92	2	26	30	250	1	0	5	0	0	1.14		.91	1	.0	0		1	1	0			
PETTIBONE	72.4M	42.1M	57.3M	- 0.6	92	2	25	30	260	3	0	4	0	0	1.46	- .18	1.40	1	.0	0		1	1	0			
STEELE	76.4	45.9	61.2	3.1	97	2	24	30	179	4	0	3	0	0	.12	- 1.59	.05	15	.0	0		0	0	0			
DIVISION			59.2	1.8											.46	- 1.11			.0								
EAST CENTRAL DIVISION																											
AMENIA	77.4M	47.9M	62.7M		89	5	38	13	121	0	0	0	0	0	.18		.08	6	.0	0		0	0	0			
COOPERSTOWN	74.5	45.4	60.0		94	2	27	30	201	2	0	3	0	0	1.28	- .47	1.00	1	.0	0		2	1	1			
FARGO WR AIRPORT	//R	73.0	46.8	59.9	1.0	99	2	31	30	223	3	0	1	0	1.26	- .46	.59	21	.0	0		3	1	0			
HILLSBORO	74.4	47.9	61.2	2.4	96	2	31	30	183	2	0	1	0	0	1.70	- .18	1.12	1	.0	0		3	1	1			
MAYVILLE	73.7	48.3	61.0	1.4	96	2	32	30	198	3	0	1	0	0	1.14	- .60	.73	1	.0	0		2	1	0			
SHARON	71.8	45.6	58.7	1.6	92	2	28	30	232	1	0	1	0	0	1.07	- .76	.71	1	.0	0		3	1	0			
VALLEY CITY	72.4	45.8	59.1	0.0	93	2	28	27	221	1	0	3	0	0	.83	- .67	.48	21	.0	0		2	0	0			
DIVISION			60.4	1.9											1.07	- .60			.0								
SOUTHWEST DIVISION																											
AMIDON	77.9M	45.4M	61.7M		101	5	30	29	192	5	0	2	0	0	.17		.17	8	.0	0		1	0	0			
BEACH	76.1	42.7	59.4		102	5	26	30+	222	5	0	2	0	0	.10		.09	8	.0	0		0	0	0			
RELFIELD	74.1	44.7	59.4		99	4	28	30	228	5	0	2	0	0	.16		.12	14	.0	0		1	0	0			
ROWMAN COURT HOUSE	77.9M	46.6M	62.3M	1.9	102	4	29	30	173	6	0	2	0	0	.12		.10	7	.0	0		1	0	0			
OICKINSON FAA AIRPORT	//R	74.5	46.3	60.4	100	4	29	30	214	4	0	2	0	0	.20		.18	7	.0	0		1	0	0			
OICKINSON EXP STATION		75.3	42.3	58.8	2.4	101	5	21	30	244	5	0	2	0	.14	- .99	.11	8	.0	0		1	0	0			
FAIRFIELD	74.5	46.1	60.3		99	4	28	30	199	4	0	1	0	0	.14		.05	16+	.0	0		0	0	0			
HETTINGER	74.6	46.1	60.4	1.3	102	4	30	17	210	3	0	2	0	0	.95	- .18	.54	18	.0	0		2	1	0			
MARMARTH	77.7	41.1M	59.4M	1.1	104	5	23	17	248	6	0	7	0	0	.21	- .79	.15	8	.0	0		1	0	0			
MEODRA 3 NNE	78.1M	37.8M	58.0M		102	4	16	30	280	6	0	11	0	0	.00		.00	0	.0	0		0	0	0			
MOTT	75.1	42.2	58.7	- 0.2	103	4	21	30	251	5	0	3	0	0	.55	- .72	.30	18	.0	0		2	0	0			
NEW ENGLAND	75.5	42.8	59.2	0.5	101	4	24	30	233	4	0	2	0	0	.32	- .83	.25	8	.0	0		1	0	0			
RICHARDTON ARBEY	76.4	47.0	61.7	3.0	100	4	28	30	176	5	0	1	0	0	.24	- .90	.23	8	.0	0		1	0	0			
Ø TROTTERS 3 S	75.8	44.9	60.4		102	4	27	30	206	4	0	1	0	0	.04	- 1.12	.02	23+	.0	0		0	0	0			
DIVISION			60.0	1.9											.25	- .93			.0								
SOUTH CENTRAL DIVISION																											
ALMONT 7 SW	74.5	47.0	60.8		101	2	30	30	199	5	0	1	0	0	.30		.27	8	.0	0		1	0	0			
BISMARCK WR AIRPORT	//R	75.1	43.8	59.5	1.0	97	2	23	30	228	5	0	3	0	.29	- 1.14	.14	8	.0	0		2	0	0			
BREIEN	78.5	42.9	60.7		101	2	19	30	203	7	0	4	0	0	.69		.52	18	.0	0		2	1	0			
CARSON	75.1	44.7	59.9	0.9	100	3	26	30	224	4	0	2	0	0	.93	- .41	.50	18	.0	0		2	1	0			
FORT YATES	73.1M	40.8M	57.0M	- 3.4	97	3	27	30	243	0	0	3	0	0	.66	- .52	.42	18	.0	0		2	0	0			
LINTON	78.0M	43.9M	61.0M	0.7	104	2	21	30	194	7	0	6	0	0	.69	- .74	.50	18	.0	0		2	1	0			
MANDAN EXP STATION	73.9	44.4	59.2	0.3	97	3	26	30	235	4	0	3	0	0	.75	- .59	.53	1	.0	0		2	1	0			
MANDAN FT LINCOLN PARK	76.6	42.9	59.8		94	20+	23	30	203	5	0	3	0	0	1.20		.65	1	.0	0		3	1	0			
MOFFIT 4 SE	77.4	43.2	60.3		99	2	21	30	210	7	0	5	0	0	.35		.25	18	.0	0		1	0	0			
NEW SALEM 1 SE	74.4	46.8	60.6	1.7	100	2	30	30	202	5	0	1	0	0	.40	- .90	.20	8+	.0	0		2	0	0			
DIVISION			59.9	0.5											.63	- .73			.0								
SOUTHEAST DIVISION																											
Ø ASHLEY	76.0M	47.3M	61.7M	3.5	94	2			177	1	0	3	0	0	.78	- .45	.4	21	.0	0		2	0	0			
EDGELEY EXP FARM	74.4	45.0	59.7	0.9	95	3	24	30	215	1	0	3	0	0	.51	- .92	.21	8	.0	0		3	0	0			
ELLENDALE	75.8	47.2	61.5	1.7	95	3	26	30	179	5	0	1	0	0	.72	- .64	.33	18	.0	0		2	0	0			
ENOERLIN	74.1	45.0	59.6		98	3	28	30	227	3	0	2	0	0	.83		.51	21	.0	0		3	1	0			
FORMAN	74.1M	47.4	60.8M		96	2	32	27	214	5	0	1	0	0	1.16	- .26	.30	16	.0	0		3	0	0			
FULLERTON	75.7	44.0M	59.9M	0.3	98	2	32	30+	218	5	0	4	0	0	1.24	- .12	.58	16	.0	0		4	1	0			
GACKLE	74.8	46.3	60.6		94	2	24	30	196	2	0	2	0	0	.36		.15	8	.0	0		1	0	0			
GRAND RAPIDS 1 N	74.6	45.8	60.2		96	7	25	30	205	2	0	3	0	0	.88		.30	23	.0	0		3	0	0			
HANKINSON R R STATION	72.2	47.4	59.8	0.5	96	3	36	25	241	4	0	0	0	0	1.02	- .67	.47	21	.0	0		4	0	0			
LISRON	76.6	47.3	62.0	3.7	96	3+	30	27	174	2	0	2	0	0	.64	- .83	.28	21	.0	0		1	0	0			
MC LEOD 3 E	74.2	46.7	60.5	0.6	97	2	32	30	217	3	0	1	0	0	.98	- .56	.32	16	.0	0</							

DAILY PRECIPITATION

NORTH DAKOTA
SEPTEMBER 1960

[illegible]

See reference notes following Station Index.
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DAILY PRECIPITATION

NORTH DAKOTA
SEPTEMBER 1960

Continued

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
POWERS LAKE 1 N	.20				.20	T			.51					T		T			.62					T	T							
PRETTY ROCK	1.13																															
RAUB 10 SSW	T																															
REEDER	.56								.07						T		T			.49												
REEDER 14 N	.28								.10						T					.18												
RICHARDTOWN ABBEY	.24					T			.01	.23							T		T						T			T				
RIVEROALE	.10		T			T			.10																							
ROLLA	.48								.07																							.09
RUGBY	.32					.11			.09							.03	.13							.02	.14							.04
RYDER	.22					.09											.06								.02	.02						T
SAN HAVEN	.42					.08			.02								.12							T	.04						.12	.04
SELFRIEDGE 5 W	-								-																							
SENTINEL BUTTE 20 S	.17														T		T	.17	.66													
SHARON	1.07	.71				.05			.10														T	.05	.02				.02	.12		
SHERWOOD 3 N	.04					T			.04								T															
SHIELDS	.78								.37																							
STANLEY	.23				.17				.06								T		.41													
STEELE	.12	.04					.03									.05								T								
SYKESTON	.57	.50							.07																							
TAGUS	.25					.15			.02						.08		T											T				
TIOGA 1 E	T														T																	
TOWNER	.35								.29										.06													
TROTTERS 3 S	.04								.02																.02							
TURTLE LAKE	.18																															
TUTTLE	1.07	1.03							.01	.16							.01								T						T	
										.04														T								
UNDERWOOD 4 ESE	.14								.04	.10																						
UPHAM 3 N	.05					.02											T															.03
VALLEY CITY	.83	.16					.02	.03	.02								.04							.48	.03	.03						.03
VELVA	.25					.10			.05								.05															.02
VERONA	1.42								.16								.81															T
WAHPETON	1.17							.06	.08								.47		.04					.44	.06							.02
WALHALLA	.60								.06						.08																	.48
WARWICK	.09																															
WASHBURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	.09	-	-	-	-	-	-
WATAUGA 5 OAKOTA 8 N	.85								.50											.35												
WATFORD CITY	.08																.05															
WATFORD CITY 14 S	.09					.02			.06								T															
WESTHOPE	T					T		T	T								T		T						.01	T					T	
WILOROSE	.23				.18				.05																							
WILLISTON WB CITY	.05					.01			.01								.02								.01							
WILLISTON EXP FARM	.02									.02																						
WILLOW CITY	.13								T								.10															T
WILTON	.10	.05							.05																							
WISHEK	.47						T		.35																							
WOODWORTH	1.08	1.08																		.12												

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
SEPTEMBER 1960

Station	Day Of Month																																		Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
ALMONT 7 SW	MAX MIN	84 53	101 65	91 65	96 63	86 63	76 53	74 54	64 48	74 43	85 50	64 38	76 43	76 43	79 47	81 53	68 53	64 33	62 43	90 47	93 59	78 42	57 41	55 42	66 42	79 36	66 43	70 38	61 41	54 39	66 30	74.5 47.0			
AMENIA	MAX MIN	85 63	87 61	84 64	88 65	89 62	84 53	77 53	71 33	74 44	87 49	80 48	79 47	70 46	68 45	76 45	81 50	67 26	42 37	80 50	88 26	80 37	40 42	67 39	43 40	40 40	58 42	60 43	60 40	71.4 47.9					
AMIDON	MAX MIN	85 59	94 66	97 68	94 66	101 64	86 47	74 44	70 49	38 42	80 44	80 40	73 39	76 46	79 45	80 46	83 50	67 33	67 37	88 50	88 26	92 37	52 40	52 41	66 41	68 39	73 40	70 37	78 30	66 31	68 31	77.9 45.4			
ARVILLA STATE PARK	MAX MIN	76 53	94 60	93 68	84 60	86 64	84 49	88 44	77 49	75 42	85 44	74 49	74 42	73 39	76 46	81 54	71 50	79 48	80 50	87 26	74 36	82 40	79 40	87 45	82 46	71 43	80 43	75 46	69 41	54 30	54 27	77.0 45.5			
ASHLEY	MAX MIN	89 56	94 68	88 64	88 62	86 55	85 51	72 51	66 49	74 35	84 46	63 38	74 35	70 31	79 45	73 42	80 53	65 33	58 43	85 43	87 48	74 46	55 40	52 41	70 40	75 43	69 34	69 35	54 35	54 26	77.0 47.3				
BEACH	MAX MIN	77 52	92 57	98 68	95 62	102 55	86 51	75 47	69 49	64 36	79 42	83 34	71 40	82 45	82 46	84 50	60 26	65 39	80 47	89 53	90 40	54 34	58 37	68 41	66 43	77 34	67 34	67 35	61 35	58 26	76.1 42.7				
BELCOURT INDIAN RES	MAX MIN	78 49	94 59	92 63	85 60	80 59	78 43	70 35	65 47	72 30	74 45	66 40	69 40	71 28	79 50	45 45	75 50	64 27	63 28	85 40	87 48	86 41	64 25	60 25	61 38	73 28	69 42	66 25	48 38	56 29	72.2 40.1				
BELFIELD	MAX MIN	83 50	93 59	94 57	99 64	91 62	77 56	68 50	63 44	77 39	84 40	72 34	77 38	79 44	80 45	81 42	63 50	64 37	66 43	88 54	91 56	61 41	57 43	63 42	64 42	75 41	67 37	63 30	60 37	57 36	67 28	74.1 44.7			
BEULAH	MAX MIN	85 52	101 60	93 68	96 65	89 68	75 56	72 47	65 49	78 37	85 39	74 39	78 40	80 34	82 45	86 46	73 50	68 28	69 48	91 40	97 45	77 45	64 37	60 41	67 45	78 36	66 37	64 28	61 41	56 42	54 21	76.9 44.0			
BISBEE	MAX MIN	80 50	96 60	86 65	87 60	87 55	82 51	80 49	70 45	73 36	75 42	70 42	70 37	81 45	72 45	81 46	76 51	65 31	67 41	86 40	89 47	80 45	67 33	57 30	67 37	75 35	69 48	67 32	60 40	55 38	59 28	74.0 43.6			
BISMARCK WB AIRPORT	MAX MIN	82 57	97 66	91 66	94 62	85 60	80 54	75 49	66 45	75 40	87 42	64 42	77 37	76 35	82 44	83 45	71 43	66 33	63 44	92 45	95 45	67 41	58 43	55 45	67 36	81 34	68 36	73 29	59 45	56 28	67 23	75.1 43.8			
BOTTINEAU	MAX MIN	76 52	83 62	96 65	91 63	87 55	82 50	72 49	67 45	63 35	76 42	76 42	64 38	72 44	75 45	73 46	83 53	58 28	66 36	88 43	91 51	61 42	57 26	63 33	64 42	75 32	67 36	63 27	60 34	57 37	67 26	72.0 42.3			
BOWBELLS	MAX MIN	76 48	83 53	96 59	95 65	87 56	87 45	74 40	62 43	87 38	77 46	72 43	77 38	75 37	82 51	82 46	81 46	64 30	69 42	71 47	87 42	91 41	59 30	65 33	58 43	68 36	76 32	63 32	74 28	55 31	54 26	73.8 41.8			
BOWMAN COURT HOUSE	MAX MIN	94 65	97 66	95 66	102 61	96 57	83 55	73 41	68 38	75 42	85 51	81 40	79 45	80 46	80 46	82 47	79 42	62 47	71 51	88 62	91 43	53 42	66 42	65 43	79 36	77 42	71 41	64 39	58 29	66 29	77.9 46.6				
BREIEN	MAX MIN	88 58	101 64	95 64	99 59	90 68	90 55	78 48	70 50	77 36	88 48	78 50	79 32	77 30	83 40	84 40	75 45	68 39	62 42	91 42	97 42	85 40	58 42	58 42	68 40	80 35	74 39	72 29	66 35	57 36	66 19	78.5 42.9			
BUTTE	MAX MIN	76 53	80 56	95 64	87 67	90 61	82 52	75 50	70 50	63 40	75 47	82 37	62 44	74 37	75 41	76 52	82 49	63 35	65 40	65 48	90 47	93 42	57 36	65 42	53 40	68 44	78 43	65 33	73 35	55 37	50 29	72.8 44.8			
CARRINGTON	MAX MIN	80 50	76 53	95 62	88 58	86 64	84 52	81 47	74 50	66 38	74 39	80 40	63 39	74 32	73 33	74 45	81 45	75 32	68 33	66 42	87 44	91 45	59 37	63 34	51 42	62 35	79 40	64 31	71 37	55 39	49 24	73.0 42.1			
CARSON	MAX MIN	85 48	87 53	100 59	95 64	97 65	87 62	80 48	76 46	64 35	75 37	86 35	65 40	77 43	76 44	83 50	82 54	65 47	64 53	62 47	89 41	92 43	57 41	56 43	55 42	66 42	79 35	67 35	70 40	60 26	75.1 44.7				
CAVALIER	MAX MIN	80 53	94 61	92 68	86 67	87 62	84 51	79 47	67 42	74 36	78 52	70 47	75 45	75 39	75 50	68 55	68 37	82 45	85 49	82 50	69 35	58 45	62 45	81 40	76 47	69 39	63 45	51 33	64 32	74.5 47.5					
CENTER	MAX MIN	85 52	100 62	90 64	93 68	85 66	75 50	73 42	63 48	72 35	80 42	65 48	75 38	75 30	81 38	79 45	68 50	67 26	62 40	90 42	95 38	80 42	62 38	58 37	64 45	72 44	64 35	72 41	54 34	62 22	74.4 42.5				
COOPERSTOWN	MAX MIN	75 51	94 63	93 66	85 69	83 61	83 54	75 50	72 50	73 38	85 45	73 41	73 44	79 33	68 48	76 48	60 53	67 31	65 42	83 44	87 47	80 50	64 39	59 45	66 34	79 34	75 41	70 32	66 42	53 27	74.5 45.4				
CROSBY	MAX MIN	86 49	90 62	93 68	91 65	81 58	79 50	69 49	59 43	77 37	75 45	69 34	76 45	78 38	82 48	85 39	74 49	67 29	76 39	86 45	81 44	71 40	64 29	65 36	65 44	75 40	70 37	73 32	61 38	54 23	67 29	76.6 42.0			
DEVILS LAKE WB CITY	MAX MIN	78 55	95 62	88 65	82 60	83 62	81 54	74 49	64 50	75 40	43 48	62 41	73 44	72 35	78 48	73 54	66 42	65 34	87 46	90 43	68 42	65 35	55 43	63 43	78 39	64 41	68 36	58 41	48 34	53 32	72.3 45.1				
DICKINSON FAA AIRPORT	MAX MIN	87 54	99 66	94 61	100 66	84 63	77 56	73 51	65 42	76 42	86 48	70 38	78 45	80 45	82 50	59 47	62 50	70 33	88 43	92 54	56 41	57 43	63 45	65 41	77 39	67 35	69 39	56 35	56 30	68 28	74.5 46.3				
DICKINSON EXP STATION	MAX MIN	78 50	88 61	99 66	93 65	101 63	84 56	75 45	72 48	63 36	77 40	85 41	67 37	78 38	79 42	80 45	60 45	65 22	72 45	90 46	94 42	55 38	60 42	64 42	67 39	77 37	66 33	72 37	57 38	51 25	75.3 42.3				
DRAKE	MAX MIN	77 52	80 55	95 64	88 61	89 61	82 49	76 50	71 45	63 38	75 46	81 41	63 35	74 36	75 48	73 51	64 33	68 47	88 48	89 48	95 42	58 35	66 36	53 43	77 40	64 33	72 34	55 41	50 27	73.4 44.4					
ELM CENTER 2 SW	MAX MIN	74 51	84 62	95 62	91 65	100 61	82 57	72 52	69 46	81 41	81 42	66 40	73 43	78 32	82 46	82 51	84 53	59 30	66 42	70 41	95 42	54 34	61 42	65 42	65 44	74 34	63 40	72 39	54 34	56 24	73.5 45.0				
ELKMAN 2 SE	MAX MIN	78 45	82 52	98 62	92 61	89 64	85 47	78 44	69 46	63 37	72 44	80 38	65 45	76 34	80 35	77 46	86 48	62 28	67 29	67 41	90 43	94 40	60 29	65 35	52 40	66 35	77 42	65 29	70 32	75.2 40.2					
GELEY EXP FARM	MAX MIN	82 56	84 63	95 66	87 58	88 65	87 54	84 52	73 49	67 40	74 41	84 49	64 37	76 44	71 43	76 45	79 47	83 36	64 48	61 38	86 47	87 51	66 42	56 43	53 44	69 39	80 43	68 32	71 33	59 24	74.4 45.0				
OMORE 1 N	MAX MIN	78 53	92 61	92 63	84 58	80 67	80 50	73 42	71 50	72 37	79 42	72 38	71 47	70 28	70 51	75 47	65 51	64 27	85 47	86 38	83 46	65 28	61 42	61 46	76 28	65 44	67 32	52 27	56 40	72.7 42.9					
ELLENDALE	MAX MIN	91 58	95 68	91 66	89 61	90 65	91 62	80 55	68 51	75 41	87 48	79 43	76 39	71 36	79 43	81 46	84 49	68 43	59 45	79 41	86 49	80 51	58 44	51 43	67 44	80 36	69 47	71 37	66 45	55 26	75.8 47.2				
ELMERLIN	MAX MIN	83 56	87 61	98 68	87 60	86 68	90 53	90 52	71 48	67 39	75 43	85 44	65 40	77 35	68 44	76 45	77 52	81 35	68 44	64 40	77 45	88 44	61 37	57 42	51 44	67 34	78 43	68 38	70 37	57 31	53 28	74.1 45.0			
AIRFIELD	MAX MIN	86 50	95 60	90 62	99 67	83 63	72 55	68 49	62 43	75 40	80 51	74 47	78 45																						

Continued

DAILY TEMPERATURES

NORTH DAKOTA
SEPTEMBER 1960

Station		Day Of Month																																Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GACKLE	MAX MIN	84 51	94 67	88 64	87 60	84 67	81 59	75 54	68 50	75 36	86 47	76 40	75 37	74 34	81 49	76 49	81 54	64 33	63 45	87 43	90 57	80 50	62 42	57 41	64 32	78 36	70 42	72 32	62 40	52 44	59 24	74.6 46.3		
GARRISON	MAX MIN	75 55	81 59	98 61	82 63	84 50	78 52	70 40	62 40	76 45	83 45	65 43	78 45	74 36	75 44	78 51	85 53	65 36	68 41	64 47	90 53	93 42	57 34	68 44	54 45	66 47	76 40	65 32	71 37	56 40	55 30	72.4 44.5		
GRAFTON	MAX MIN	78 57	95 64	95 68	84 58	87 59	85 53	77 47	74 51	74 41	81 46	76 43	71 37	71 34	70 43	76 50	78 44	67 36	65 42	81 45	86 44	84 44	67 38	63 36	61 32	80 34	75 37	69 44	65 46	53 35	54 32	74.7 44.5		
GRAND FORKS FAA AIRPORT	MAX MIN	77 56	94 65	88 67	85 58	89 59	85 53	74 47	65 51	73 41	86 49	62 43	73 43	69 32	71 53	76 50	82 44	66 36	64 42	77 44	88 44	73 44	62 38	52 36	62 38	80 34	68 37	68 45	59 36	46 33	52 31	72.2 44.5		
GRAND FORKS UNIVERSITY	MAX MIN	76 56	93 66	87 70	84 61	88 74	83 55	73 50	65 40	72 40	85 45	70 44	72 36	68 32	70 41	74 46	80 45	65 36	66 46	75 43	86 53	76 53	61 42	53 41	63 51	78 34	68 43	69 29	57 45	48 37	53 25	71.9 47.8		
GRAND RAPIDS 1 N	MAX MIN	85 59	96 63	87 65	90 60	88 69	85 52	76 50	67 40	75 40	86 45	76 44	74 36	72 32	73 41	76 46	79 45	65 36	64 46	82 43	89 53	78 53	57 42	52 41	68 51	79 34	69 43	76 29	65 45	51 37	59 25	74.3 45.8		
GRANVILLE	MAX MIN	81 51	97 62	87 63	89 68	82 65	77 49	71 45	59 40	76 40	80 45	65 43	73 43	77 35	74 43	87 50	73 45	69 43	68 43	91 45	94 45	76 43	68 35	56 45	65 47	77 31	70 43	74 29	61 45	51 37	65 27	74.4 45.0		
GRENDORA	MAX MIN	85 51	90 63	91 60	96 65	85 53	75 45	65 41	59 41	72 38	75 48	69 33	78 42	79 39	82 47	87 42	72 47	69 30	77 42	85 41	82 47	73 40	65 31	64 37	76 40	77 36	65 45	74 35	57 29	56 37	69 32	75.0 42.8		
HANKINSON R R STATION	MAX MIN	86 63	90 66	96 72	91 68	87 68	88 64	92 59	63 41	67 42	71 48	81 43	63 38	73 39	65 39	74 42	69 47	78 43	63 43	58 37	72 37	83 49	64 44	53 39	51 39	67 36	76 45	67 40	66 42	58 39	54 32	72.2 47.4		
HANNAH	MAX MIN	82 48	94 56	89 61	88 59	82 45	82 45	71 40	64 47	79 33	76 36	77 35	79 37	81 38	67 38	77 40	79 40	65 33	65 42	85 36	86 42	84 31	67 29	63 30	61 44	80 32	75 40	69 38	65 60	53 48	54 35	73.7 39.3		
HANSBORO	MAX MIN							79 37	77 39	80 40	79 38	79 40	81 38	79 33	70 40	70 40	85 36	89 42	83 30	64 30									61 35	58 33	61 32			
HETTINGER	MAX MIN	87 55	99 65	94 63	102 65	89 62	77 57	75 51	68 44	74 36	86 44	67 37	79 39	78 47	78 43	81 47	66 40	60 30	65 42	87 48	87 53	67 42	52 39	64 44	65 44	75 45	66 38	68 44	60 43	55 38	67 31	74.6 46.1		
HILLSBORO	MAX MIN	79 54	96 65	91 70	85 61	88 73	79 55	77 51	71 53	73 43	86 51	82 46	73 43	69 38	69 51	74 48	80 55	67 40	65 45	77 40	88 48	79 57	62 42	60 36	66 43	79 35	71 47	70 36	67 45	54 36	51 31	74.4 47.9		
JAMESTOWN FAA AIRPORT	MAX MIN	80 56	97 65	86 66	89 62	87 73	85 52	75 50	68 52	75 39	87 51	63 42	77 43	72 36	77 40	79 45	81 44	67 34	65 44	88 41	89 44	76 46	59 39	50 42	67 39	69 34	72 40	61 31	52 41	59 22	74.3 44.1			
JAMESTOWN STATE HOSP	MAX MIN	81 56	97 66	87 66	87 62	86 73	80 52	73 50	67 52	75 39	86 51	74 43	74 41	73 36	75 40	78 45	80 51	66 34	65 45	88 41	88 46	88 40	58 43	51 40	66 45	79 32	67 45	71 31	60 46	52 39	58 23	74.3 46.4		
KEENE 2 S	MAX MIN	84 50	95 60	92 59	97 65	82 55	74 49	76 43	60 40	76 39	81 44	65 32	75 46	78 42	82 48	61 41	68 29	29 42	48 52	87 48	91 52	61 39	63 34	59 30	64 38	77 44	64 36	72 35	60 30	55 35	64 30	73.9 42.6		
KENMARE	MAX MIN	77 45	83 50	96 60	95 61	91 59	82 50	75 47	63 49	60 37	78 50	74 44	70 35	78 48	79 43	82 45	88 35	63 46	63 39	69 49	86 40	94 40	60 35	66 36	55 42	65 30	75 40	64 33	73 30	55 30	60 30	74.0 42.4		
KENSAL WILDLIFE REFUGE	MAX MIN	85 59	94 61	93 62	86 58	87 66	85 50	79 47	73 49	74 37	86 50	83 43	75 37	72 30	74 43	80 48	81 48	69 30	65 30	89 48	89 43	86 47	65 38	60 39	68 44	83 36	69 43	72 30	69 43	52 39	57 23	76.7 43.3		
LANGOON EXP FARM	MAX MIN	78 47	93 58	90 62	85 58	85 65	79 50	74 40	72 48	71 35	78 41	72 37	71 44	70 28	69 50	75 47	73 46	65 27	65 35	85 43	84 42	81 45	67 28	64 32	62 42	78 32	73 39	69 28	62 40	53 34	58 28	73.5 41.7		
LARIMORE	MAX MIN	75 54	95 63	88 68	83 63	85 72	84 53	76 48	71 52	73 53	85 48	74 44	72 44	69 35	73 55	72 40	80 49	67 36	65 40	79 43	88 48	80 52	66 37	58 34	65 45	80 36	72 40	70 36	62 42	52 36	56 30	73.8 46.6		
LEEO5	MAX MIN	81 53	96 61	92 64	88 59	82 56	80 50	72 42	68 51	75 39	80 48	72 43	70 37	73 30	75 53	80 40	77 51	65 32	66 40	88 47	91 51	85 45	65 32	60 44	64 40	76 38	68 40	69 32	65 35	49 28	60 28	74.4 43.9		
LINTON	MAX MIN	91 61	104 68	95 60	91 60	90 60	84 57	80 52	76 38	78 46	80 48	71 30	78 31	84 44	85 41	65 41	68 28	63 45	90 48	95 46	80 42	58 42	50 41	82 42	78 32	82 38	80 29	78 32	62 39	59 21	78.0 43.9			
LISBON	MAX MIN	89 59	96 69	96 70	86 62	89 73	87 54	79 54	69 49	74 41	84 48	82 45	76 38	70 43	78 44	76 35	81 47	76 40	65 44	76 43	88 50	87 48	60 32	55 41	69 46	78 36	78 46	70 30	69 43	58 31	76.6 47.3			
LOSTWOOD 12 N	MAX MIN	83 42	91 61	93 60	91 64	90 58	79 50	78 40	58 42	77 37	74 46	69 33	73 43	77 37	82 42	85 45	75 49	65 28	69 41	85 48	90 44	74 40	62 31	59 46	63 46	74 34	71 39	71 28	64 34	53 38	63 24	74.3 42.0		
MAODOCK AGRI SCHOOL	MAX MIN	83 53	99 62	95 65	88 59	86 65	82 51	77 49	76 48	77 39	82 57	75 38	77 43	77 33	85 55	80 45	69 50	75 38	80 42	86 41	94 44	82 44	67 37	67 41	82 44	77 34	64 34	71 30	63 38	52 22	63 22	77.0 43.6		
MANDAN EXP STATION	MAX MIN	81 54	80 59	97 68	89 61	95 65	85 56	77 48	73 47	65 39	74 45	84 41	64 39	75 35	76 41	79 47	82 35	67 42	65 35	63 45	90 44	94 45	58 38	58 44	54 35	65 48	78 31	65 40	72 35	57 26	73.9 44.4			
MANDAN FT LINCOLN PARK	MAX MIN	84 51	94 56	90 61	94 54	88 64	79 53	81 51	75 50	72 45	74 35	86 40	74 37	76 42	82 42	71 37	69 41	67 42	91 46	94 41	81 42	54 39	56 42	68 40	80 38	76 37	72 27	68 40	58 23	63 23	76.6 42.9			
MARMARTH	MAX MIN	84 46	95 65	99 53	98 70	104 61	86 55	76 45	74 42	65 31	78 31	85 30	72 30	80 36	84 42	82 37	86 42	62 23	66 37	81 41	90 39	92 41	52 39	54 41	68 42	71 39	79 30	69 40	76 31	65 28	57 28	77.7 41.1		
MAYVILLE	MAX MIN	74 50	80 52	96 61	89 60	92 63	86 53	76 48	70 46	61 35	74 41	67 36	74 38	83 33	77 42	74 47	67 49	71 40	76 39	67 45	66 44	77 41	88 39	80 37	55 47	69 37	72 47	69 37	60 46	52 36	62 32	73.7 48.3		
MC CLUSKY	MAX MIN	78 52	98 63	92 65	91 63	86 58	76 56	73 48	65 50	74 37	83 45	73 38	73 41	74 33	77 43	83 47	80 51	67 29	67 45	90 45	96 48	91 42	63 36	58 48	64 44	76 38	68 40	72 30	67 40	50 42	61 23	75.5 44.4		
MC HENRY 5 N	MAX MIN	74 48	92 62	85 65	81 60	82 63	83 52	73 47	65 50	73 38	83 43	67 40	73 40	71 32	68 46	75 46	79 51	65 31	64 35	85 45	88 48	74 48	62 35	54 41	64 41	79 32	65 41	70 31	55 40	52 26	58 26	72.0 43.4		
MC LEO 3 E	MAX MIN	89 58	97 70	92 71	86 64	91 73	89 57	75 54	69 45	75 40	85 48	74 42	78 36	69 33	72 43	73 47	82 54	65 38	64 45	78 41	85 46	75 42	54 42	52 42	68 40	76 36	70 45	70 34	62 46	54 37	57 32	74.2 46.7		
MC VILLE	MAX MIN																																	

DAILY TEMPERATURES

NORTH DAKOTA
SEPTEMBER 1980

Continued

Station		Day Of Month																																Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MOTT	MAX MIN	95 92	101 83	93 60	103 62	85 64	77 52	73 46	67 44	75 35	85 39	67 35	76 33	78 36	80 40	82 42	70 44	63 26	65 40	88 43	92 40	77 42	54 40	58 40	62 42	77 39	66 32	69 39	60 39	55 37	61 71	75.1 42.2		
MUNICH 4 SW	MAX MIN	78 48	94 60	92 56	86 55	82 47	81 45	77 41	68 49	73 36	80 40	75 39	74 44	74 29	69 50	77 47	70 48	66 28	65 35	85 45	88 44	82 44	63 29	63 29	60 41	76 31	70 37	68 27	58 42	49 35	57 27	73.3 40.9		
NAPOLEON	MAX MIN	84 58	97 68	91 63	94 61	87 65	84 59	76 50	68 50	74 39	85 46	64 36	75 35	73 30	81 46	82 45	80 56	68 28	62 44	86 45	95 51	87 46	58 42	53 44	65 45	77 38	66 40	71 29	58 41	51 41	61 24	75.1 45.5		
NEW ENGLAND	MAX MIN	89 52	100 65	93 60	101 62	85 61	78 56	70 53	66 42	76 34	85 38	68 36	78 35	79 39	78 42	83 42	70 43	64 26	68 41	88 43	92 43	71 40	56 41	64 41	65 41	78 43	66 34	70 35	59 35	55 38	70 24	75.5 42.8		
NEW SALEM 1 SE	MAX MIN	82 52	100 62	90 72	96 61	87 67	76 51	74 52	63 48	75 41	86 52	65 40	76 42	75 40	83 47	83 49	68 48	65 33	63 44	91 47	94 52	70 42	58 42	57 42	66 45	78 48	65 38	71 37	59 41	55 40	65 30	74.4 46.8		
NEWTOWN	MAX MIN	83 51	96 64	94 62	93 65	89 64	82 50	69 45	65 45	76 41	80 38	71 37	77 44	78 38	83 47	85 44	80 52	65 30	70 45	85 44	93 50	71 41	63 29	60 35	65 47	75 41	72 39	72 31	58 37	54 41	67 24	75.7 43.9		
OAKES	MAX MIN	88 59	94 70	90 69	87 64	86 70	87 61	78 55	66 40	72 41	81 45	78 42	74 36	71 45	77 46	78 46	63 49	61 41	74 45	88 40	82 49	58 49	53 52	67 43	76 45	71 46	69 35	66 46	57 36	56 29	74.1 47.3			
PARK RIVER	MAX MIN	81 51	95 62	93 68	86 61	85 72	82 55	76 49	75 52	73 44	82 54	77 45	72 36	71 36	76 51	79 53	67 38	67 39	84 48	86 47	86 53	67 34	65 45	60 45	79 41	65 44	69 38	66 41	54 37	56 35	74.9 47.6			
PARSMALL	MAX MIN	86 47	96 61	94 60	94 64	85 63	82 47	73 40	66 47	77 39	82 36	75 35	77 44	76 33	82 44	86 48	80 51	66 23	68 42	87 42	95 41	78 45	64 25	59 32	66 49	76 34	65 36	72 25	65 35	55 41	66 23	76.4 41.6		
PEMBINA	MAX MIN	80 53	93 54	92 65	88 57	89 68	83 50	76 43	71 47	74 42	80 48	70 44	75 45	75 35	71 53	77 47	81 45	72 39	70 39	79 45	88 44	80 51	72 32	65 34	62 46	83 38	70 45	72 35	65 46	55 33	58 31	75.5 45.2		
PETERSBURG	MAX MIN	73 52	92 61	85 65	79 60	83 69	83 53	74 49	65 50	72 38	83 46	67 40	72 43	69 32	69 52	73 49	79 54	65 32	63 38	82 45	85 44	76 49	63 33	53 42	60 44	78 35	65 40	68 32	57 39	48 34	55 28	71.2 44.6		
PETTIBONE	MAX MIN	93 49	82 61	71 65	73 61	72 65	71 48	72 49	40 40	45 45	73 38	72 36	73 36	75 32	80 47	75 46	80 52	66 30	65 42	89 41	83 49	75 43	60 38	57 37	64 42	77 41	73 31	71 37	69 37	58 41	61 25	72.4 42.1		
PORTAL	MAX MIN	77 49	83 59	92 60	92 63	89 65	80 57	72 44	60 47	58 39	78 34	65 31	73 41	77 39	81 43	64 31	70 32	85 46	87 40	57 32	66 34	62 46	64 38	75 30	62 41	78 37	63 38	72 28	53 35	54 27	72.2 40.6			
POWERS LAKE 1 N	MAX MIN	84 45	94 60	95 60	82 67	82 57	82 47	67 35	60 34	80 40	67 28	78 46	83 36	85 37	80 52	67 45	66 24	71 42	87 42	92 47	74 45	63 24	58 30	73 40	77 35	63 38	72 25	56 26	56 20	64 22	74.3 41.0			
RAUB 10 SSW	MAX MIN	80 58	97 65	90 65	95 65	85 66	75 55	72 52	76 40	75 40	80 45	81 51	87 49	81 52	67 38	76 47	87 42	75 40	60 40	60 34	75 44	78 42	80 43	65 36	59 42	59 43	65 36	59 34	55 33	65 31	77.6 45.8			
RICHAROTON ABBEY	MAX MIN	85 59	99 62	92 65	100 63	95 65	78 57	70 55	64 46	76 40	83 44	76 42	74 43	79 44	84 50	76 48	65 33	68 41	88 50	93 54	82 41	58 42	59 43	65 44	78 47	71 37	70 42	63 39	54 41	69 28	76.4 47.0			
RIVEROALE	MAX MIN	78 52	82 55	92 66	87 64	92 67	81 57	77 51	70 51	62 39	73 47	80 43	63 43	74 37	74 44	78 48	83 52	61 34	65 40	63 47	89 46	94 44	57 36	63 44	55 44	64 38	74 48	64 32	71 40	55 42	54 28	72.7 45.7		
ROLLA	MAX MIN	78 47	95 56	88 64	86 58	81 65	77 52	61 42	73 48	70 38	76 48	63 40	70 46	70 36	80 55	72 45	70 48	62 37	65 37	85 44	88 46	78 44	67 34	51 31	61 40	74 38	62 40	67 38	58 40	43 33	57 33	71.1 44.2		
RUGBY	MAX MIN	82 58	96 62	95 65	88 69	83 65	82 53	75 47	70 50	75 38	78 44	73 42	74 46	73 34	82 53	80 47	66 52	66 30	66 38	88 52	92 47	90 44	63 32	62 36	64 44	76 37	73 40	69 39	66 38	52 40	60 28	75.6 45.4		
SAN HAVEN	MAX MIN	79 52	93 62	88 65	85 62	82 65	74 50	70 43	61 38	73 36	75 40	65 39	71 43	72 35	72 56	81 47	75 50	67 36	63 36	86 43	86 52	84 44	65 29	55 32	62 41	74 32	68 43	68 34	59 39	46 36	57 31	71.9 43.7		
SHARON	MAX MIN	75 52	92 62	87 68	85 60	82 70	83 55	73 51	70 50	70 39	83 46	70 41	72 42	67 35	73 50	73 47	78 54	64 35	63 41	80 44	85 49	77 50	62 37	55 35	62 45	77 33	65 38	67 34	58 41	50 35	55 28	71.8 45.6		
STANLEY	MAX MIN	85 47	96 61	94 62	92 62	86 60	77 55	69 51	58 40	76 33	78 40	67 33	76 45	78 33	82 46	85 41	75 51	66 28	68 41	87 48	92 40	69 29	63 29	57 34	64 45	75 40	66 29	67 21	63 32	53 28	64 22	74.4 42.6		
STEELE	MAX MIN	80 55	97 64	93 63	93 60	88 65	82 58	75 51	70 50	73 38	84 45	81 38	75 45	73 36	80 45	83 48	77 55	67 32	63 45	88 45	96 49	80 45	60 42	56 45	66 44	77 40	76 40	73 32	66 43	58 42	61 24	76.4 45.9		
TIOGA 1 E	MAX MIN	75 43	85 63	95 68	97 63	95 68	87 52	75 39	65 40	59 34	78 40	78 28	68 43	77 37	78 46	82 39	86 48	63 25	65 42	73 46	88 42	59 46	63 26	60 45	66 45	74 39	76 34	64 29	73 34	55 37	55 24	74.2 40.0		
TOWNER	MAX MIN	83 49	97 59	92 61	88 59	85 58	78 45	72 41	63 45	78 40	79 40	72 33	75 40	76 40	79 33	83 41	81 40	73 26	67 39	91 41	95 40	83 26	67 28	55 30	67 42	78 34	66 37	72 31	71 39	51 32	57 22	75.8 39.9		
TROTTERS 3 S	MAX MIN	92 52	97 64	93 60	102 55	85 70	73 49	70 48	63 39	77 46	80 46	69 39	76 46	81 46	81 49	85 49	69 50	68 33	78 41	88 55	87 52	64 39	61 36	67 41	65 47	76 47	65 35	74 36	60 35	56 27	73 27	75.8 44.9		
TURTLE LAKE	MAX MIN	81 54	96 64	90 64	93 62	86 64	78 55	72 49	63 49	75 40	85 43	66 38	76 42	76 35	80 45	81 46	71 51	67 33	65 47	90 47	94 47	85 43	63 36	55 42	66 44	78 41	71 41	72 31	58 38	53 42	63 26	75.0 45.3		
UNDERWOOD 4 ESE	MAX MIN	80 53	98 64	88 64	94 62	91 57	84 57	72 52	63 49	79 38	82 46	73 38	75 40	75 39	82 45	88 49	74 51	65 35	64 43	88 45	89 48	81 48	62 45	53 48	64 42	76 42	72 37	71 46	61 46	64 41	74 28	75.7 45.8		
UPHAM 3 N	MAX MIN	81 49	98 61	95 62	88 62	85 60	78 45	71 40	65 49	79 33	79 40	75 33	70 42	82 31	74 54	88 45	82 52	69 25	69 47	92 42	95 46	92 42	68 26	63 42	67 44	78 34	73 42	74 25	66 34	51 41	63 22	77.0 41.7		
VALLEY CITY	MAX MIN	79 56	93 64	89 60	83 61	83 71	77 49	74 49	73 51	70 39	83 45	76 43	73 38	65 40	72 50	74 44	80 51	63 35	65 47	77 41	86 46	83 52	57 42	58 48	65 38	76 32	71 45	67 28	56 44	52 30	72.4 45.8			
VELVA	MAX MIN	80 50	97 61	93 63	90 61	83 58	78 51	71 45	68 50	75 40	81 51	68 38	75 40	77 32	76 49	85 48	79 51	67 30	68 41	90 51	95 39	85 43	66 30	60 36	65 46	78 34	65 42	73 28	67 37	52 43	64 26	75.6 43.8		
WAHPETON	MAX MIN	90 63	97 72	96 70	89 67	91 73	92 65	92 58	67 51	74 44	84 47	84 47	74 40	73 39	74 44	69 48	78 54	75 43	64 47	71 41	85 51	83 53	59 43	55 44	70 42	77 36	76 50							

DAILY TEMPERATURES

Continued

NORTH DAKOTA
SEPTEMBER 1960

Station		Day Of Month																															Average
		SEPTEMBER 1960																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	80	97	88	94	86	76	72	62	74	83	72	74	75	78	83	70	66	64	90	94	76	58	58	65	77	72	72	61	52	64	74.4	
	MIN	52	64	53	62	64	56	55	48	38	43	36	40	37	45	47	49	36	42	41	52	41	36	37	40	37	38	34	38	40	24	44.2	
WISHEK	MAX	79	94	94			89	88	74	66	73	85	58	74	72	82	79	79	66	60	87	90	60	59	55	65	77	67	72	59	52	73.4	
	MIN	55	61	61			53	49	49	36	43	39	30	27	40	38	52	30	44	43	40	49	41	37	44	28	38	23	40	37	17	40.9	

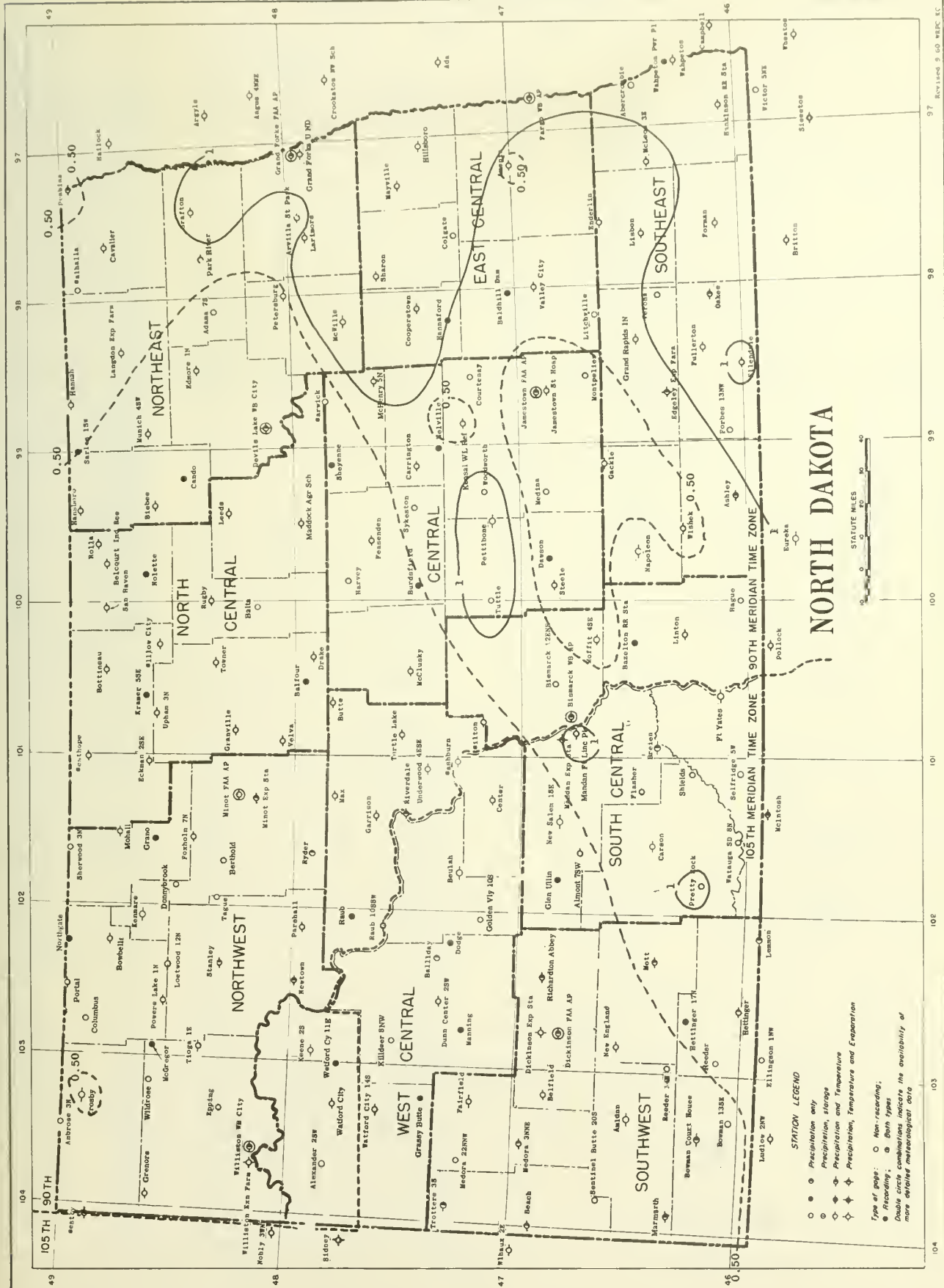
EVAPORATION AND WIND

Station		Day of month																															Total Evap	Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DEVILS LAKE WB CITY	EVAP	.17	.20	.13	.17	.23	.21	.13	.00	.29	.13	.12	.20	.13	.10	.10	.16	.09	.13	.17	.15	.21	.08	.05	.05	.16	.14	.12	.17	.00	.04	4.03		
	WIND	51	54	31	32	57	23	20	33	56	71	35	59	35	22	44	51	31	30	50	38	71	21	28	47	50	58	25	42	28	33	1224		
DICKINSON EXP STATION(A)	EVAP	.40	.30	.36	.30	.50	.25	.26	.21	.30	.24	.27	.19	.21	.30	.01	.30	.10	.16	.15	.19	.45	.20	.10	.14	.21	.19	.20	.16	.15	.15	6.95		
	WIND	130	90	65	110	175	70	90	90	110	65	90	45	80	30	50	95	85	130	130	65	155	70	155	125	150	100	40	100	70	120	2880		
	MAX	75	87	92	92	88	81	75	69	69	74	79	73	-	80	77	78	60	65	72	80	81	53	60	64	67	71	67	70	83	56	73.0		
	MIN	56	56	63	64	59	53	53	49	42	43	44	43	44	47	50	50	32	35	46	47	45	42	43	43	48	41	37	40	38	33	48.1		
EDGELEY EXP FARM	EVAP	.35	.18	.24	.23	.21	.21	.29	.11	.20	.20	.29	.17	.28	.18	.15	.21	.17	.11	.11	.19	.27	.02	.14	.02	.09	.30	.12	.08	.10	.10	5.32		
	WIND	110	50	52	80	82	49	53	40	58	55	92	102	115	30	44	37	69	33	37	48	82	118	34	51	72	74	53	38	95	112	1965		
MANDAN EXP STATION (A)	EVAP	.31	.10	.17	.15	.28	.20	.26	.20	.17	.15	.18	.15	.19	.13	.12	.16	-	.11	.12	.14	.24	.19	.10	.07	.15	.17	.14	.13	.11	.17	B 4.92		
	WIND	174	101	92	72	180	45	108	102	96	50	90	70	134	62	55	83	113	52	104	51	160	145	45	93	108	133	82	80	74	170	2924		
RIVERDALE	EVAP	.30	.29	.13	.23	.36	.16	.20	.19	.26	.12	.25	.17	.19	.17	.18	.22	.15	.17	.16	.22	.32	.16	.13	.10	.15	.26	.16	.17	.13	.18	5.88		
	WIND	152	100	57	64	140	85	63	87	136	74	106	82	104	58	54	108	96	64	164	63	149	88	59	139	160	163	60	101	106	130	3012		
	MAX	72	82	91	87	87	80	71	67	67	73	76	69	71	71	77	77	61	66	65	75	78	55	62	52	62	69	64	64	56	53	70.0		
	MIN	53	60	65	63	62	57	53	51	43	45	44	43	42	44	50	52	41	42	47	52	48	39	40	43	42	43	39	40	41	31	47.1		
WILLISTON EXP FARM	EVAP	.31	.17	.23	.42	-	.37	.34	.32	.35	-	.38	.39	.36	.38	.37	.25	.32	.28	.48	.32	.33	.13	.18	.20	.27	.26	.21	.22	.17	.18	B 8.78		
	WIND	67	75	15	66	173	121	66	154	105	70	46	96	22	37	51	145	48	73	109	52	175	37	67	191	134	122	40	58	165	51	2632		
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

TOTAL PRECIPITATION

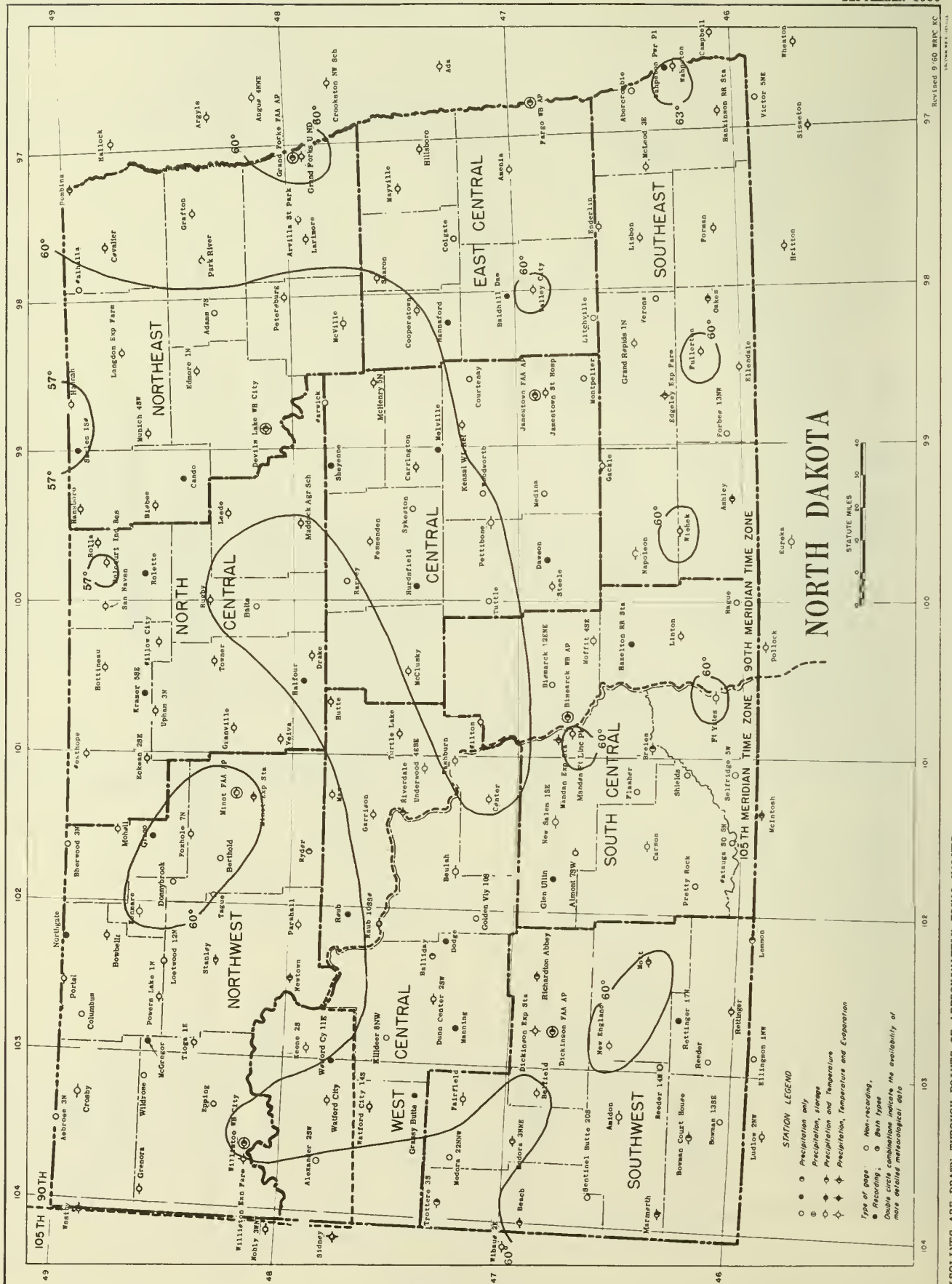
SEPTEMBER 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

SEPTEMBER 1960



NORTH DAKOTA
 NORTH DAKOTA STATE UNIVERSITY

1 DRAINAGE CODE: 1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMBINA 10. RED 11. SNEYDEN 12. SOURIS 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry. Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- H Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

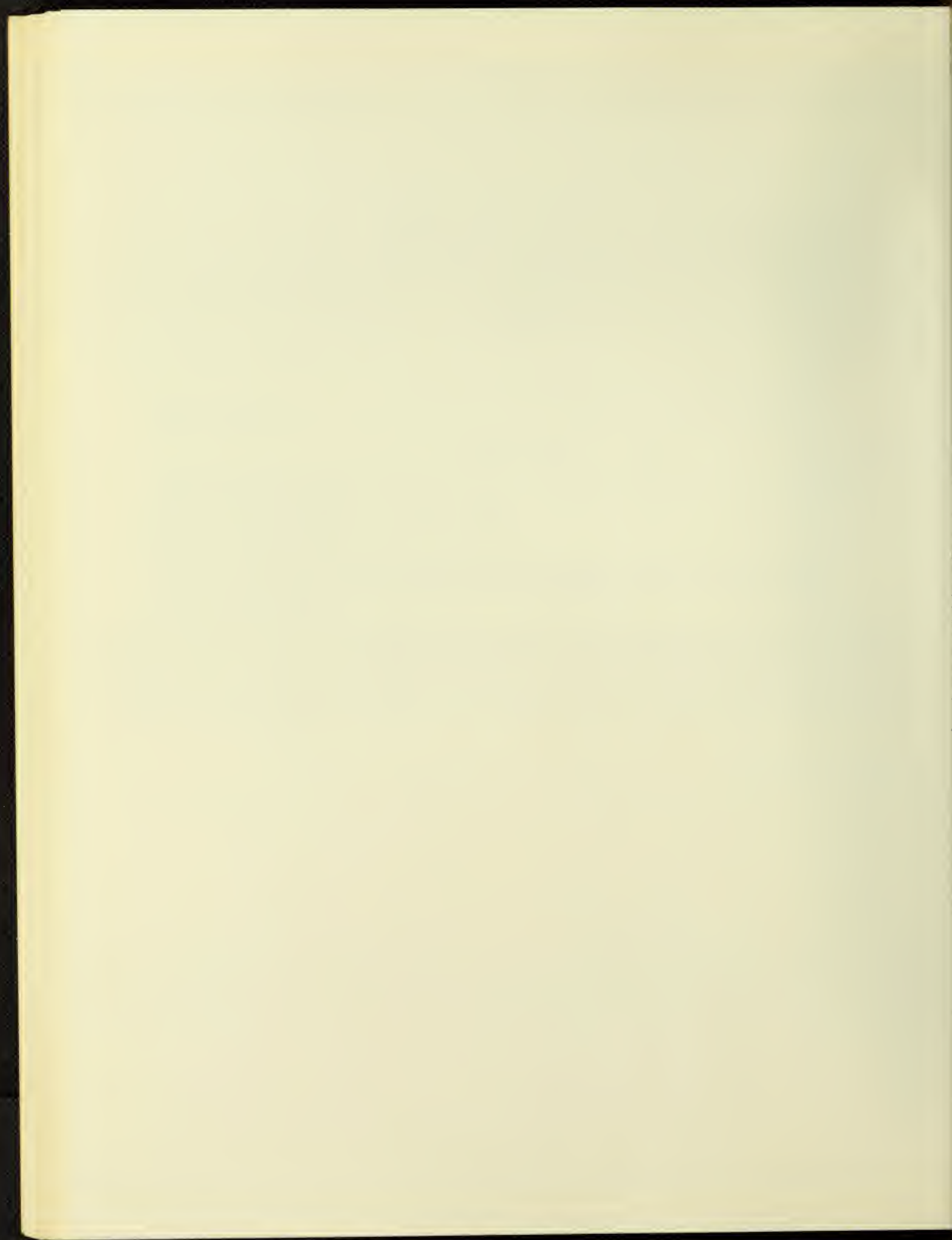
General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE
FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

OCTOBER 1960
Volume 69 No. 10



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NORTH DAKOTA - OCTOBER 1960

WEATHER SUMMARY

The drought conditions which began in September continued through October in the western part of the State where an average of only one-tenth of an inch of precipitation was received. The northwest climatic division received an average of two-hundredths of an inch which is three percent of the normal expectation. Many of the stations in this area have not had measurable precipitation since the first week in September resulting in a dry period of over fifty days.

The seven-hundredths of an inch average in the south central area was seven percent of the normal. Along with this the southwestern division received ten percent of its normal with an average of nine-hundredths of an inch for the five counties.

Many stations in the western part of the State did not receive measurable precipitation until the last week in October making the greater portion of the area west of 101st meridian more than forty days without rain.

It was the second driest October of record at Williston WB City. Medora 22 NNW had received no measurable precipitation since the 25th of August. Likewise Eckman 2 SE had not had any measurable amounts since the 26th of August.

The area along the Red River recovered from the below normal precipitation of September.

Sanford R. Miller
Weather Bureau State Climatologist
Weather Bureau Airport Station
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 91° on the 8+ at Three Stations

Lowest Temperature: - 4° on the 19th at Medora 3 NNE

Greatest Total Precipitation: 2.14 inches at Two Stations

Least Total Precipitation: 0.00 at Four Stations

Greatest one-day Precipitation: 1.47 inches on the 30th at Hillsboro

Greatest Total Snowfall: 0.5 inch at Trotters 3 S

Deepest Snow on Ground: Trace on the 31+ at Seven Stations

SUPPLEMENTAL DATA

NORTH DAKOTA
OCTOBER 1960

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
BISMARCK WB AIRPORT	WNW	13	10.4	37	W	27	55	66	40	37	7	2	0	0	0	0	9	68	5.3
DEVILS LAKE WB CITY	NW	-	8.5	27	NW	18	-	78	54	51	5	2	3	0	0	0	10	70	3.2
FARGO WB AIRPORT	SSE	15	15.8	57	NW	5	72	79	58	58	5	3	1	0	1	0	10	57	4.5
WILLISTON WB CITY	NW	-	8.3	33	W	27	-	74	51	40	3	1	0	0	0	0	4	61	5.9

CLIMATOLOGICAL DATA

Station	Temperature												Precipitation														
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet		No. of Days							
										Max								Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More				
										32° or Above	32° or Below	32° or Below	32° or Below														
NORTHWEST DIVISION																											
BOWBELLS	60.2	28.5	44.4		80	5	1	19	634	0	0	21	0	T		T	31+	T	0		0	0	0				
CROSBY	60.3	31.1	45.7	1.7	81	6	0	19	592	0	0	15	1	T	- .83	T	25	.0	0		0	0	0				
FOXHOLM 7 N	62.6	32.0	47.3		82	8+	7	19	543	0	0	17	0	T	- .78	T	31+	.0	0		0	0	0				
GRENORA	60.8	31.9	46.4	1.8	80	7+	2	19	571	0	0	13	0	T		T	30+	.0	0		0	0	0				
KENMARE	60.1	29.9	45.0		81	5	4	20+	610	0	0	19	0	.00	- .80	.00		.0	0		0	0	0				
LOSTWOOD 12 N	60.5	30.5	45.5		80	4	1	19	597	0	0	16	0	T		T	18	.0	0		0	0	0				
MINOT FAA AIRPORT	59.8	34.8	47.3		83	4	6	19	548	0	0	11	0	T		T	30+	T	0		0	0	0				
MINOT EXP STATION	60.5	31.7	46.1		84	5	5	19	575	0	0	18	0	T		T	31+	.0	0		0	0	0				
MOHALL	60.6	30.5	45.6	0.9	82	4	4	19	595	0	0	18	0	T	- .83	T	31+	T	0		0	0	0				
NEWTOWN	60.6	32.4	46.5	1.9	82	4	5	19	566	0	0	13	0	.13	- .61	.13	17	.0	0		1	0	0				
PARSHALL	61.9	33.7	47.8		84	4	12	19	531	0	0	16	0	.16	- .56	.16	25	.0	0		1	0	0				
PORTAL	59.5M	29.3M	44.4M	1.1	81	7	1	19	637	0	1	0	0	T	- .75	T	24	.0	0		0	0	0				
POWERS LAKE 1 N	60.1M	27.8M	44.0M		79	7	-	2	19	638	0	0	23	1	T		T	30	.0	0		0	0	0			
STANLEY	59.2	31.8	45.5		80	4	4	19	599	0	0	14	0	T		T	25	.0	0		0	0	0				
TIOGA 1 E	60.5	29.5	45.0		80	7+	-	1	19	613	0	1	16	1	T		T	30+	T	0		0	0	0			
WILLISTON WB CITY	60.5	34.7	47.6	2.1	82	6	7	19	532	0	0	11	0	.02	- .75	.02	25	.0	0		0	0	0				
WILLISTON EXP FARM	60.8	33.0M	46.9M		81	6	5	19	562	0	0	12	0	.00		.00		.0	0		0	0	0				
DIVISION																											
			45.9	1.3										.02	- .75			T									
NORTH CENTRAL DIVISION																											
BELCOURT INDIAN RES	57.1	29.2M	43.2M		79	8			660	0	0	20	0	.32		.26	30	T	0		1	0	0				
BOTTINEAU	58.4	29.2	43.8		83	9	6	19	651	0	0	22	0	.07	- .71	.05	30	.0	0		0	0	0				
ORAKE	60.7M	30.7M	45.7M	0.9	87	5	9	19	591	0	0	18	0	.15	- .71	.12	30	.0	0		0	1	0				
ECKMAN 2 SE					82	9+				0	0	0	0	T		T	30+	.0	0		0	0	0				
GRANDVILLE	61.1M	32.3M	46.7M	1.2	87	4	6	19	560	0	0	13	0	T	- .75	T	29+	.0	0		0	0	0				
LEOS	59.1	32.3	45.7		85	4	11	19	594	0	0	15	0	.58		.37	30	.0	0		2	0	0				
MAODOCK AGRI SCHOOL	60.9	31.8	46.4	1.4	85	4	7	19	594	0	0	16	0	.79	- .11	.41	30	.0	0		2	0	0				
ROLLA	56.6	32.8	44.7		81	6	16	20+	619	0	0	17	0	.30		.15	30	T	0		1	0	0				
RUGBY	61.1	32.3	46.7		85	4	9	19	561	0	0	16	0	.24	- .57	.15	30	.0	0		1	0	0				
SAN HAVEN	58.1	32.4	45.3	1.7	82	8	14	19	605	0	0	16	0	.24	- .48	.17	30	T	0		1	0	0				
TOWNER	60.9	30.2	45.6	1.0	84	8+	4	19	593	0	0	18	0	T	- .79	T	26+	.0	0		0	0	0				
UPHAM 3 N	60.2M	29.6	44.9M		86	4	4	19	618	0	1	18	0	T		T	30+	.0	0		0	0	0				
VELVA	61.0	33.5	47.3	1.3	84	4	8	19	545	0	0	14	0	.05	- .75	.05	30	.0	0		0	0	0				
WESTHOPE	58.7	30.1M	44.4M	0.6	82	8	4	19	642	0	0	16	0	T		T	30+	T	0		0	0	0				
WILLOW CITY	60.4	28.7M	44.6M	1.5	83	4	9	19	627	0	0	19	0	.04	- .67	.04	29	.0	0		0	0	0				
DIVISION																											
			45.4	1.1										.19	- .60			T									
NORTHEAST DIVISION																											
ARVILLA STATE PARK	59.3	32.0	45.7		85	4	12	24	591	0	1	18	0	1.70		1.11	30	.0	0		3	1	1				
BISBEE	57.7	30.7M	44.2M		82	8	14	20+	636	0	0	16	0	.70		.44	30	.0	0		2	0	0				
CAVALIER	58.9	34.6	46.8		79	4	18	20	559	0	1	15	0	1.40		.85	30	T	T	18	3	1	0				
DEVILS LAKE WB CITY	57.1	33.2	45.2	1.3	84	4	17	19	610	0	0	15	0	.60	- .66	.33	30	T	T	19+	3	0	0				
EDMORE 1 N	58.0	29.2M	43.6M		83	4	18	24+	668	0	1	19	0	.98		.55	30	.0	0		2	1	0				
GRAFTON	59.1	35.7	47.4	1.2	83	4	21	24+	537	0	1	12	0	1.92	.74	1.02	30	T	0		3	2	1				
GRAND FORKS FAA AIRPORT	57.9	33.0	45.5		85	4	15	24+	599	0	1	14	0	1.58		.95	29	T	0		3	1	0				
GRAND FORKS UNIVERSITY	58.2	35.9	47.1	1.8	83	4	21	24	547	0	1	10	0	1.70	- .48	1.09	30	.0	0		2	1	1				
HANNAH	56.7	29.2M	43.0M		91	8	17	19	677	0	1	22	0	.85	- .21	.51	30	T	0		3	1	0				
HANSBORO	63.2M	31.7M	47.5M	4.2	80	9+	11	20	539	0	0	0	0	.36	- .46	.36	30	T	0		1	0	0				
LANGOON EXP FARM	57.8	30.0	43.9	0.9	80	8+	18	20	647	0	0	18	0	.96	- .15	.61	30	T	0		3	1	0				
LARIMORE	59.0	34.0	46.5	0.8	86	4	19	24+	569	0	1	13	0	1.59	.39	.98	30	.0	0		3	1	0				
MC VILLE	58.0	31.9	45.0		84	4	11	20	613	0	1	19	0	1.04		.71	30	.0	0		3	1	0				
MUNICH 4 SW	57.7	29.4	43.6		82	8+	15	19	658	0	1	19	0	.66		.45	30	T	0		2	0	0				
PARK RIVER	59.3	34.5	46.9	1.6	84	4	20	24	555	0	1	13	0	1.55	.44	.88	30	T	0		4	1	0				
PEMBINA	60.3	34.4	47.4		85	4	20	20	543	0	1	13	0	2.14	.96	.88	30	.0	0		4	2	0				
PETERSBURG	57.1	32.3	44.7		84	4	18	24+	624	0	1	19	0	1.08	- .09	.63	30	.0	0		3	1	0				
DIVISION																											
			45.5	1.1										1.22	.13			T									
WEST CENTRAL DIVISION																											
BEULAH	63.3	31.7	47.5		89	4	5	19	536	0	0	15	0	.03		.03	30	T	0		0	0	0				
BUTTE	61.4																										

CLIMATOLOGICAL DATA

Continued

NORTH DAKOTA
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Station	Temperature											Precipitation															
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days						
										Max		Min.						Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More				
										90° or Above	80° or Below	70° or Below	60° or Below														
TURTLE LAKE	61.5	34.1	47.8		87	4	6	19	527	0	0	13	0	.62		.48	25	.0	0		1	0	0				
UNDERWOOD 4 ESE	60.3	34.0	47.2		85	4	7	19	545	0	0	15	0	.32		.23	25	.0	0		1	0	0				
WASHBURN																											
WATFORD CITY	61.7	33.8	47.8	1.3	86	4	5	19	526	0	0	12	0	.14	-.82	.08	17	.0	0		0	0	0				
WATFORD CITY 14 S	66.9	32.5	49.7		88	4	3	19	468	0	0	14	0	.10		.07	17	.0	0		0	0	0				
WILTON	60.6	33.4M	47.0M		86	4	6	19	553	0	1	12	0	.20		.14	25	.0	0		1	0	0				
DIVISION			47.0	1.4										.23	-.60			T									
CENTRAL DIVISION																											
CARRINGTON	59.9	29.9	44.9	-0.1	86	5	8	19	615	0	0	19	0	.85	-.30	.27	30	.0	0		4	0	0				
FESSENDEN	62.7M	32.3M	47.5M	2.2	89	4	20	19+	560	0	0	15	0	.65	-.39	.41	30	.0	0		3	0	0				
JAMESTOWN FAA AIRPORT	//R 60.6	32.9	46.8		88	4	15	19	563	0	1	13	0	.87		.34	30	.0	0		3	0	0				
JAMESTOWN STATE HOSP	60.0	33.9	47.0	0.5	87	4	15	19	554	0	1	13	0	.72	-.45	.42	30	.0	0		3	0	0				
KENSAL WILDLIFE REFUGE	61.6	32.8	47.2		89	4	13	19	547	0	0	16	0	1.41		.62	12	T	0		3	1	0				
MC CLUSKY	60.4	33.2	46.8	1.0	86	4	9	19	558	0	1	13	0	.47	-.55	.17	29	.0	0		3	0	0				
MC HENRY 5 N	58.4	31.6	45.0		87	4	15	20	610	0	1	15	0	1.53		.80	12	.0	0		3	2	0				
PETTIBONE	61.2M	33.2M	47.2M	2.0	87	4	8	19	543	0	1	14	0	.74	-.41	.36	30	.0	0		3	0	0				
STEELE	62.9	34.3	48.6	2.7	89	4	5	19	502	0	0	13	0	.23	-.97	.15	30	.0	0		1	0	0				
DIVISION			46.8	1.2										.83	-.31			T									
EAST CENTRAL DIVISION																											
AMENIA	62.1M	34.7	48.4M		84	4	18	24	516	0	0	10	0	1.83		.93	30	.0	0		3	2	0				
COOPERSTOWN	60.3	33.6	47.0		86	4	17	19	552	0	1	13	0	1.15	.01	.84	30	.0	0		3	1	0				
FARGO WB AIRPORT	//R 60.0	34.9	47.5	1.4	83	9+	21	23+	538	0	1	12	0	1.34	.08	1.06	29	T	T	19+	2	1	1				
HILLSBORO	61.5	35.7	48.6	2.3	83	4	18	24	500	0	0	10	0	2.14	1.01	1.47	30	.0	0		3	1	1				
MAYVILLE	60.1	35.4	47.8	0.7	84	4	20	24+	529	0	1	11	0	1.38	.32	.79	30	T	0		3	1	0				
SHARON	57.6	34.3	46.0	1.1	85	4	17	20	582	0	1	15	0	1.33	.08	.85	30	.0	0		3	1	0				
VALLEY CITY	60.0	33.2	46.6	-0.6	83	4	19	19	564	0	0	14	0	1.33	.15	.63	30	.0	0		4	1	0				
DIVISION			47.4	1.2										1.50	.37			T									
SOUTHWEST DIVISION																											
AMIOON	61.7M	33.8M	47.8M		85	7+			514	0	0	12	0	.20		.10	14	.0	0		1	0	0				
BEACH	61.6	29.9	45.8		86	4	1	19	589	0	0	16	0	.18		.11	25	T	0	30	1	0	0				
BELFIELD	60.6	30.8	45.7		86	4	5	19	592	0	0	15	0	.03		.03	31	.0	0		0	0	0				
BOWMAN COURT HOUSE	63.8	33.3	48.6	2.1	84	4	7	19	504	0	0	14	0	.08		.08	13	.0	0		0	0	0				
DICKINSON FAA AIRPORT	//R 61.2	33.2	47.2		86	4	8	19	545	0	0	13	0	.10		.09	17	.0	0		0	0	0				
DICKINSON EXP STATION	62.0	28.6	45.3	0.5	85	5	0	19	603	0	0	19	1	.00	-.88	.00	0	.0	0		0	0	0				
FAIRFIELD	59.3	34.6	47.0		83	4	9	19	552	0	0	13	0	.04		.04	17	T	0		0	0	0				
HETTINGER	61.3M	34.0M	47.7M	0.6	85	4	7	19	532	0	0	13	0	.08	-.75	.08	30	T	0		0	0	0				
MARMARTH	63.8	28.6	46.2	-0.4	88	7	0	19	575	0	0	19	1	.05	-.87	.05	30	.2	T	31+	0	0	0				
MEADORA 3 NNE	63.8	24.9	44.4		86	4	4	19	632	0	0	23	1	.04		.04	17	.0	0		0	0	0				
MOTT	62.2	29.3	45.8	-1.0	86	4	2	19	589	0	0	18	0	.07	-.61	.04	13	.0	0		0	0	0				
NEW ENGLAND	62.2M	31.3M	46.8M	0.6	85	4			558	0	0	16	0	.13	-.72	.06	17	.0	0		0	0	0				
RICHARDSON ABBEY	62.2	35.1	48.7	1.5	85	4	6	19	501	0	0	11	0	.07	-.76	.03	17	.0	0		0	0	0				
TROTTERS 3 S	60.7	34.1	47.4		85	4	7	19	539	0	0	10	0	.21		.07	30+	.5	T	30	0	0	0				
DIVISION			46.7	0.2										.09	-.77			.1									
SOUTH CENTRAL DIVISION																											
ALMONT 7 SW	61.7	33.5	47.6		86	4	6	19	533	0	0	14	0	.08		.04	17	T	0		0	0	0				
BISMARCK WB AIRPORT	//R 62.4	31.5	47.0	1.3	91	4	5	19	551	1	0	16	0	.10	-.90	.08	30	T	0		0	0	0				
BREIEN	64.8	31.4M	48.1M		90	4			515	1	0	17	0	T		T	30+	T	0		0	0	0				
CARSON	63.0M	30.0	46.5M	-0.3	89	5	2	19	570	0	0	21	0	T	1.02	T	30+	.0	0		0	0	0				
FORT YATES	65.4M	29.9M	47.7M	-0.4	90	5	8	19	529	1	0	21	0	.04	1.08	.04	30	.0	0		0	0	0				
LINTON	66.4	31.7	49.1		91	8+	3	19	492	2	0	18	0	.22	-.88	.11	30+	.0	0		2	0	0				
MANDAN EXP STATION	62.0	30.9	46.5	-0.1	87	5	7	19	570	0	0	18	0	.01	-.91	.01	30	.0	0		0	0	0				
MANDAN FT LINCOLN PARK	64.2M	31.0M	47.6M		90	4	4	19	528	1	0	18	0	.03		.03	30	.0	0		0	0	0				
MOFFIT 4 SE	63.4M	30.0M	46.7M		91	4	5	19	561	1	0		0	.13		.05	30+	T	0		0	0	0				
NEW SALEM 1 SE	61.5	35.0	48.3	1.6	87	4	8	19	519	0	0	13	0	.04	-.72	.03	30	T	0		0	0	0				
DIVISION			47.5	0.2										.07	-.94			T									
SOUTHEAST DIVISION																											
ASHLEY	M	M	M				4	19		0	0		0					.0	0								
EDGELEY EXP FARM	62.5	32.2	47.4	0.7	88	5	11	19	542	0	0	12	0	.65	-.30	.37	30	.0	0		3	0	0				
ELLENDALE	63.3	34.4	48.9	1.4	85	4	12	19	497	0	0	9	0	.46	-.62	.26	29	.0	0		2	0	0				
ENDERLIN	61.2	30.4	45.8		82	10+	15	20	587	0	1	17	0	1.19		.80	30	.0	0		3	1	0				
FORMAN	62.2M	35.2M	48.7M		87	8	18	20	500	0	1	12	0	1.21	.04	.72	29	.0	0		3	1	0				
FULLERTON	62.2	31.6	46.9	-0.5	85	4	10	19	551	0	1	13	0	.53	-.63	.25	30	.0	0		2	0	0				
GACKLE	61.9	36.4	49.2		88	4	11	19	483	0	0	7	0	.89		.56	30	.0	0		2	1	0				
GRAND RAPIDS 1 N	63.7	32.8	48.3		87	4	12	19	514	0	0	14	0	.87		.45	30	.0	0		2	0	0				
HANKINSON R R STATION	61.3	33.8	47.6	0.7	83	9	17	20	535	0	1	10	0	.72	-.32	.62	30	.0	0		1	1	0				
LISBON	65.3	34.1	49.7	2.4	83	9+	15	20	466	0	0	12	0	.73	-.46	.33	30	.0	0		2	0	0				
MC LEOD 3 E	63.2	35.6	49.4	1.7	84	9	17	19	476	0	0	10	0	1.26	.14	.55	30	T	0		4	1	0				
NAPOLEON	61.8	33.9	47.9	1.6	87	4	7	19	524	0	0	14	0	.74	-.46	.37	12	.0	0		2	0	0				
OAKES	62.0	34.5	48.3	1.5	81	8	15	19	512	0	0	10	0	.92	-.17	.38	29	.0	0		4	0	0				
WAMPETON	64.0	37.1	50.6	1.6	83	9+	21	24	442	0	0	7															

DAILY PRECIPITATION

NORTH DAKOTA
OCTOBER 1960

[illegible]

See reference notes following Station Index.

DAILY PRECIPITATION

NORTH DAKOTA
OCTOBER 1960

Continued

Station		Total	Day of Month																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
POWERS LAKE 1 N		T																	T	.03												T		
PRETTY ROCK		.03																			.20													
RAUB 10 SSW		.20																																
REEDER		.11													.08	.02																	.03	
REEDER 14 N		.10																		.08													T	
RICHARDTON ABBEY		.07									.02				T	.02	T		.03													T		
RIVERDALE	//	.67														T	T	T									.64						.03	
ROLLA		.30													.04												.05						.15	
RUGBY		.24													.02		T										.07				T		.15	
RYOER		.02																									.02				T		T	
SAN HAVEN		.24													T																		.17	
SELFRIDGE 5 W		.00																																
SENTINEL BUTTE 20 S		T																																
SHARON		1.33													.38																		.10	
SHERWOOD 3 N		.01																															.85	
SHIELOS		T																															T	
STANLEY		T																																
STEELE		.23																																
SYKESTON		.78													.26																		.15	
TAGUS		T																															.30	
TIOGA 1 E		T																																
TOWNER		T																																
TROTTERS 3 S		.21													.04																		.07	
TURTLE LAKE		.62																															.02	
TUTTLE		.36																															.08	
UNDERWOOD 4 ESE		.32																															.05	
UPHAM 3 N		T																															T	
VALLEY CITY		1.33																															.31	
VELVA		.05																															.05	
VERONA		.96																															.19	
WAMPETON		1.21																															1.13	
WALHALLA		1.51																															.03	
WARWICK		1.24																															.84	
WASHBURN		T																															.73	
WATAUGA 5 OAKOTA 8 N		T																															T	
WATFORD CITY		.14																																
WATFORD CITY 14 S		.10																																
WESTHOPE		T																																
WILOROSE		.03																																
WILLISTON WB CITY	//R	.02																																
WILLISTON EXP FARM		.00																																
WILLOW CITY		.04																																

DAILY TEMPERATURES

NORTH DAKOTA
OCTOBER 1960

Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	MAX MIN	61 40	63 28	78 36	86 38	76 44	80 41	81 47	81 43	63 37	60 38	58 32	71 44	58 40	57 29	58 28	70 38	57 37	43 27	35 6	51 8	63 28	62 38	55 38	62 32	57 42	62 39	59 30	59 30	44 29	44 24	61.7 33.5	
AMENIA	MAX MIN	65 43	73 39	73 30	84 41	78 49	73 39	78 39	77 43	82 45	75 45	69 33	47 37	75 33	67 43	58 35	70 33	67 29	50 32	34 20	44 19	62 24	58 42	43 18	53 25	50 41	52 38	65 25	62 22	52 33	47 37	38 35	62.1 34.7
AMIOON	MAX MIN	67 33	65 31	66 36	78 44	85 43	74 44	85 43	76 43	73 41	58 34	70 39	58 35	68 34	52 26	57 23	60 35	62 29	55 29	36 9	36 31	58 34	56 34	61 33	65 37	62 35	64 36	69 38	56 23	47 28	54 28	37 28	61.7 33.8
ARVILLA STATE PARK	MAX MIN	63 42	56 36	69 28	85 47	71 46	73 44	76 35	75 39	77 41	74 41	62 24	68 39	70 38	65 35	55 28	63 27	61 30	42 28	31 22	44 17	58 23	55 30	49 30	52 12	52 29	55 30	60 30	50 31	44 28	46 30	38 33	59.3 32.0
ASHLEY	MAX MIN																			45 27	47 4	62 15	55 24	50 43	60 32	53 27	56 40	63 33	63 19	53 37	40 35	44 30	
BEACH	MAX MIN	71 31	60 26	64 35	81 41	84 40	75 36	85 44	80 44	70 37	52 31	55 33	69 37	66 38	52 23	54 20	61 20	68 26	53 28	34 1	41 3	52 28	65 32	62 34	68 34	68 40	58 33	72 36	56 23	55 21	42 23	37 31	61.6 29.9
BELCOURT INDIAN RES	MAX MIN	56 39	56 30	69 26	78 37	72 36	74 27	78 41	79 35	74 43	56 35	60 20	61 43	64 27	55 26	52 21	60 36	55 20	45 21	33 16	44 20	53 29	51 29	42 25	60 21	54 35	50 17	59 28	53 23	47 40	44 31	35 30	57.1 29.2
BELFIELD	MAX MIN	63 39	65 32	81 36	86 45	75 39	84 35	79 39	65 31	58 35	57 33	57 30	68 35	54 38	54 25	61 22	68 41	52 33	53 24	37 5	52 22	64 24	53 32	60 33	72 35	58 42	71 27	56 36	55 25	47 21	50 18	38 24	60.6 30.8
BEULAH	MAX MIN	65 45	64 25	81 40	89 35	75 35	83 30	81 41	79 39	66 45	60 41	70 30	72 38	59 32	60 23	61 22	70 40	55 27	46 30	39 5	48 18	65 26	63 43	56 36	63 38	61 40	67 22	61 22	62 22	49 36	43 25	63.3 31.7	
BISBEE	MAX MIN	59 40	58 30	73 33	81 37	69 28	74 34	79 37	82 41	67 42	57 36	62 28	61 44	65 35	54 25	55 22	54 23	46 23	34 14	40 14	54 27	49 31	45 27	58 23	55 20	49 27	60 32	55 22	55 21	46 18	38 24	57.7 30.7	
BISMARCK W8 AIRPORT	MAX MIN	67 42	62 28	78 39	91 41	77 39	80 31	82 45	87 38	69 42	61 39	63 32	72 45	63 32	60 25	60 26	74 42	56 26	38 17	34 5	49 24	63 21	61 33	52 33	66 33	54 23	56 20	62 31	58 22	48 34	42 37	40 32	62.4 31.5
BOTTINEAU	MAX MIN	59 36	61 29	58 35	70 41	81 32	65 30	76 41	78 42	83 47	62 34	60 31	63 43	67 34	61 31	56 22	60 32	63 23	50 26	34 6	34 12	45 23	56 30	50 25	42 25	64 32	47 20	55 25	60 20	59 55	52 38	58.4 29.2	
BOWBELLS	MAX MIN	64 29	60 25	62 36	78 45	80 34	67 38	79 40	79 45	78 38	56 28	60 28	63 21	69 35	55 16	54 22	61 26	62 25	54 26	34 1	37 2	50 19	54 21	62 32	49 33	64 38	55 28	66 31	58 27	58 21	40 30	60.2 28.5	
BOWMAN COURT HOUSE	MAX MIN	62 32	66 44	80 48	84 44	80 41	83 43	80 43	78 43	72 36	58 38	68 36	68 43	62 26	53 36	63 26	67 30	62 30	50 28	37 7	53 30	64 36	63 38	68 35	69 42	64 32	70 28	64 38	55 26	48 26	36 21	52 33	63.8 33.3
BREIEN	MAX MIN	64 35	64 31	78 36	90 43	79 35	80 30	83 38	89 33	75 42	62 40	65 31	73 41	67 30	60 23	60 24	72 38	61 25	45 27	36 22	52 20	64 45	59 30	68 30	62 42	60 30	63 30	62 20	58 17	50 24	45 38	64.8 31.4	
BUTTE	MAX MIN	62 42	63 31	58 39	75 48	86 42	72 39	76 46	80 46	83 44	63 46	56 46	64 37	72 40	65 32	59 29	67 26	52 28	47 26	34 8	37 11	49 21	60 34	56 32	47 40	65 40	55 25	56 30	60 32	52 54	55 35	61.4 32.8	
CARRINGTON	MAX MIN	60 25	62 31	58 36	76 43	86 35	73 43	76 37	80 38	82 42	70 37	59 27	66 28	66 40	66 29	58 26	65 26	66 23	50 26	36 8	36 13	47 24	60 35	50 22	44 30	61 25	42 36	56 31	62 26	57 26	47 35	39 33	59.9 29.9
CARSON	MAX MIN	65 31	62 28	63 41	79 43	89 36	73 35	80 43	83 42	84 44	60 37	59 35	71 45	61 32	59 22	60 20	72 32	55 27	37 24	38 2	52 21	63 27	64 32	56 29	63 32	59 25	62 27	60 30	61 26	59 27	40 19	63.0 30.0	
CAVALIER	MAX MIN	58 42	60 36	67 41	79 46	69 46	75 44	77 49	75 43	77 45	70 40	63 28	58 45	68 38	63 38	57 32	65 46	60 34	52 27	31 25	45 18	55 29	46 32	42 28	50 22	50 30	63 35	60 31	56 31	44 33	37 36	58.9 34.6	
CENTER	MAX MIN	62 40	63 26	77 34	88 34	72 35	79 28	78 36	82 35	65 45	58 35	60 28	72 40	60 30	58 20	58 30	68 37	58 22	48 25	38 1	53 17	62 20	60 30	65 30	54 25	55 35	61 35	60 31	61 20	56 25	48 35	48 31	62.2 29.1
COOPERSTOWN	MAX MIN	63 40	59 30	72 34	86 41	83 40	74 33	76 45	76 40	75 48	74 39	64 40	63 48	70 35	65 33	55 29	66 42	60 26	48 29	30 17	45 18	60 25	55 37	43 24	63 23	48 36	49 30	63 25	40 25	43 36	38 32	60.3 33.6	
CROSBY	MAX MIN	60 31	60 24	77 36	80 41	67 35	81 31	78 44	73 36	61 37	57 31	61 36	66 32	58 35	54 23	57 17	61 40	45 27	55 25	37 0	50 16	54 30	62 40	58 34	69 39	62 39	72 42	60 34	56 22	53 20	47 30	60.3 31.1	
DEVILS LAKE W8 CITY	MAX MIN	60 39	57 31	75 35	84 49	67 41	74 37	75 44	80 41	70 43	57 36	63 29	60 46	66 40	57 31	55 26	64 39	50 26	38 20	33 17	45 19	56 30	48 32	39 25	59 24	46 30	50 30	62 35	55 31	49 20	40 34	37 33	57.1 33.2
DICKINSON FAA AIRPORT	MAX MIN	62 39	65 32	82 37	86 49	75 43	82 41	82 43	77 50	60 38	58 33	59 38	67 40	53 30	57 28	69 25	50 37	35 34	50 13	37 8	54 24	64 32	67 42	58 39	68 37	57 33	49 32	45 33	35 29	49 24	35 22	61.2 33.2	
DICKINSON EXP STATION	MAX MIN	70 38	61 25	63 33	80 42	85 34	74 31	83 35	80 44	77 41	59 32	57 32	59 32	70 31	54 19	57 20	61 25	68 27	52 27	35 0	38 8	52 24	61 31	64 34	65 34	69 40	58 27	69 35	58 19	58 18	50 36	62.0 28.6	
DRAKE	MAX MIN	63 31	64 28	58 40	75 48	87 38	72 35	78 44	79 47	83 43	64 31	57 33	63 35	71 37	64 28	61 23	68 28	50 25	36 23	36 9	50 11	60 26	57 33	46 32	64 30	47 22	55 36	65 31	55 27	52 28	40 23	60.7 30.7	
EDMUND CENTER 2 SW	MAX MIN	56 38	60 31	62 36	78 38	81 40	69 39	83 43	78 44	75 42	58 35	58 35	60 35	70 40	53 28	64 24	62 28	65 34	53 28	33 8	37 12	55 27	61 44	56 41	56 36	68 38	56 26	59 36	56 31	56 22	38 23	60.5 32.6	
ECKMAN 2 SE	MAX MIN	60 30	61 35	72 35	77 41	72 35	67 31	82 33	81 36	82 35	67 33	58 36	63 27	71 38	72 33	59 32	60 38	74 26	59 30	43 11	34 14	46 23	65 36	54 35	48 20	62 28	52 36	52 28	65 28	63 31	45 35	41 33	62.5 32.2
EDGELEY EXP FARM	MAX MIN	59 34	66 33	60 33	74 41	88 44	78 34	80 34	80 38	81 43	80 34	62 38	66 43	71 38	72 33	59 32	60 38	74 26	59 30	43 11	34 14	46 23	65 36	54 35	48 20	62 28	52 36	52 28	65 28	63 31	45 35	41 33	62.5 32.2
EDMORE 1 N	MAX MIN	58 25	57 30	72 45	83 45	78 27	72 31	74 42	80 34	72 38	69 34	61 23	59 43	64 34	60 27	53 19	64 39	53 20	46 25	32 20	44 18	56 27	51 32	40 27	54 18	50 27	48 20	61 28	55 21	52 38	45 35	35 31	58.0 29.2
ELLENOALE	MAX MIN	62 41	62 34	73 33	85 37	77 48	76 36	78 39	82 40	82 42	66 42	69 35	70 49	77 37	61 36	62 32	74 36	68 30	51 31	36 12	47 17	61 21	56 42	58 35	62 22	53 38	51 27	65 37	62 27	50 39	42 36	43 34	63.3 34.4
ENOERLIN	MAX MIN	56 28	65 33	60 29	72 35	82 36	77 32	72 35	80 36	80 38	82 42	63 33	69 32	70 37	76 37	59 30	60 33	72 28	54 30	44 17	30 15	45 20	63 28	51 24	44 16</								

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GACKLE	MAX MIN	63 44	68 40	75 34	88 44	81 43	76 33	78 49	80 43	78 49	69 42	63 38	66 49	63 38	57 32	57 30	71 40	58 33	48 28	35 11	45 26	60 26	55 44	49 35	60 26	53 33	58 34	62 36	63 37	52 41	47 37	42 34	61.9 36.4
GARRISON	MAX MIN	64 44	63 36	61 40	75 43	83 45	79 38	78 50	79 47		61 35	56 31	62 37	68 40	60 29	58 28	62 30	65 31	53 28	35 4	35 10	41 30	60 30	59 34	52 31	61 34	52 30	58 36	60 33	59 30	55 35	41 30	59.8 33.3
GRAFTON	MAX MIN	59 43	59 37	67 40	83 47	72 46	73 35	76 45	75 46	78 47	73 45	62 38	58 47	70 45	61 37	56 32	45 32	29 29	66 45	63 31	44 43	57 21	50 37	42 30	51 21	49 28	51 31	65 30	60 28	54 37	46 38	39 33	59.1 35.7
GRANO FORKS FAA AIRPORT	MAX MIN	61 38	57 34	68 32	85 47	71 35	72 32	77 45	76 45	79 48	58 34	63 26	60 41	72 36	59 26	56 41	67 43	47 28	41 29	30 26	43 19	58 30	47 37	42 15	52 15	46 34	51 32	65 32	57 29	51 37	47 35	38 34	57.9 33.0
GRANO FORKS UNIVERSITY	MAX MIN	62 43	58 35	67 36	83 46	70 45	72 36	75 45	75 45	77 51	64 36	63 30	60 47	71 38	59 42	59 29	67 43	56 28	41 29	30 26	44 19	58 30	51 36	39 28	52 21	47 37	50 34	64 35	57 21	50 33	46 34	38 34	58.2 35.9
GRANO RAPIOS 1 N	MAX MIN	66 41	60 30	74 29	87 47	78 37	77 28	80 42	80 39	82 42	79 40	68 33	71 50	75 32	62 32	62 35	74 34	64 24	49 31	35 12	50 16	64 22	53 42	48 27	62 20	54 38	52 38	65 26	64 22	58 44	44 38	40 35	63.8 32.8
GRANVILLE	MAX MIN		62 30	76 37	87 49	68 39	80 44	82 43	83 40	64 45	60 33	66 28	73 40	63 36	59 25	61 22	65 43	52 26	41 22	39 6	52 19	62 30	57 40	49 33	65 30	57 37	60 33	62 33	54 21	51 33	44 34	29 29	61.1 32.3
GRENORA	MAX MIN	62 35	63 26	78 36	79 43	70 38	80 40	80 48	69 45	60 37	58 33	57 29	66 36	58 33	55 29	63 36	63 37	57 37	44 28	37 20	52 19	54 29	66 33	58 33	60 40	69 34	74 37	59 41	56 29	52 24	39 29	47 23	60.8 31.9
HANKINSON R R STATION	MAX MIN	53 43	65 36	59 32	70 34	82 47	75 38	71 37	75 42	83 42	82 46	65 37	71 38	67 43	74 40	58 34	61 36	72 34	64 19	45 17	30 19	45 28	61 20	54 28	44 20	53 26	55 39	47 30	63 34	64 32	46 36	45 35	61.3 33.8
HANNAH	MAX MIN	59 27	56 32	68 32	79 42	65 33	72 30	78 40	81 35	68 40	58 34	61 21	68 42	62 31	55 27	54 19	62 41	54 18	58 21	32 17	43 21	54 22	43 30	40 23	55 22	49 32	50 18	65 32	52 25	48 41	44 32	35 30	59.2 29.2
HANSBORO	MAX MIN		71 33	79 40	76 42	79 42	80 41	79 40	80 39	80 43	79 34	62 29	62 40	60 42			68 32	61 24		34 17	45 11	56 26	57 23	49 38	61 34	64 32	54 33	64 33	53 27	54 27	55 22	53 20	63.2 31.7
HETTINGER	MAX MIN	57 43	63 30	77 37	85 45	78 45	80 42	80 41	77 54	60 43	55 37	59 37	67 37	56 36					45 15	37 27	54 27	68 29	61 38	63 39	64 34	58 34	64 32	57 33	60 27	43 25	35 22	53 20	61.3 34.0
HILLSBORO	MAX MIN	61 39	64 33	69 30	83 45	79 48	74 38	76 43	75 48	80 45	73 45	66 32	65 47	73 42	67 35	57 38	69 38	60 31	55 43	33 23	44 20	62 34	58 40	45 31	52 18	52 39	55 28	65 29	58 33	44 39	44 34	39 34	61.5 35.7
JAMESTOWN FAA AIRPORT	MAX MIN	65 39	60 34	76 32	88 42	76 41	76 30	78 42	78 38	78 43	62 38	66 30	66 42	68 36	60 34	58 32	70 43	54 28	47 17	32 15	46 22	61 35	53 25	45 33	61 30	52 38	51 33	64 30	62 29	46 30	44 34	39 33	60.6 32.9
JAMESTOWN STATE HOSP	MAX MIN	64 40	58 34	74 29	87 43	74 44	76 33	76 33	76 39	77 43	61 42	64 32	65 49	58 36	58 45	57 32	69 45	56 29	48 28	31 15	46 20	60 23	54 42	46 32	60 22	52 40	51 37	63 29	61 29	50 30	41 34	39 34	60.0 33.9
KEENE 2 S	MAX MIN	64 36	62 25	79 39	84 49	76 37	84 44	78 49	76 51				76 39			22 40			37 17	36 12	38 26	62 36	69 34	70 38	56 34	58 34	54 36	54 34	39 28	43 25	29 21	43 21	31.0 31.0
KENMARE	MAX MIN	65 31	61 28	60 40	77 42	81 39	67 38	78 45	80 41	75 38	56 29	59 28	64 29	68 40	56 25	55 23	60 25	62 25	55 25	35 4	37 19	48 19	59 34	61 33	64 33	65 38	55 30	55 36	58 39	56 34	56 26	40 21	60.1 29.9
KENSAL WILDLIFE REFUGE	MAX MIN	65 39	60 30	75 31	89 42	84 40	76 31	77 41	84 35	76 40	63 37	68 31	67 47	69 35	60 32	60 25	69 35	55 25	50 13	48 13	61 25	55 39	45 28	59 34	55 39	51 36	63 30	60 29	52 30	42 35	40 32	61.6 32.8	
LANGOON EXP FARM	MAX MIN	58 38	57 28	68 34	80 44	75 36	73 30	75 45	80 41	74 41	70 33	60 24	61 43	65 33	60 26	59 19	65 41	49 19	45 25	34 20	43 18	54 26	49 30	39 23	54 21	50 27	50 27	62 21	56 19	51 21	45 28	35 29	57.8 30.0
LARIMORE	MAX MIN	62 41	59 33	71 31	86 47	71 47	73 37	72 38	76 40	46 46	69 42	64 28	62 45	72 41	58 29	60 29	62 41	58 29	21 21	44 19	59 28	52 34	42 28	53 19	52 38	51 32	53 29	60 31	49 24	44 36	36 33	59.0 34.0	
LEEOS	MAX MIN	61 43	58 30	73 32	85 53	73 38	74 33	76 46	81 37	70 42	60 33	62 24	66 43	65 34	57 27	55 23	65 42	62 21	43 27	34 11	40 18	56 27	52 39	42 25	60 24	57 35	52 17	61 32	55 28	51 24	45 36	41 33	59.1 32.3
LINTON	MAX MIN	68 38	69 29	79 37	91 40	88 35	82 29	83 47	91 39	82 40	70 46	67 39	75 50	32 32	24 24	21 21	31 31	26 26	26 26	3 3	20 20	22 22	43 30	28 29	30 29	29 21	26 26	16 16	45 45	39 39	32 32	31.7 31.7	
LISBON	MAX MIN	67 41	65 34	73 28	82 45	81 45	76 33	81 38	83 35	83 43	82 35	69 43	71 49	77 37	73 41	61 32	75 45	72 35	56 29	38 27	46 15	62 22	60 46	51 30	56 17	55 32	49 38	67 32	65 24	63 39	43 18	41 30	65.3 34.1
LOSTWOOD 12 N	MAX MIN	60 37	59 26	76 38	80 44	74 38	78 35	75 46	67 39	67 46	57 35	61 23	68 19	59 35	54 23	60 19	61 23	57 25	50 24	35 1	47 14	56 25	60 34	57 33	63 42	60 39	64 32	60 24	54 18	55 31	49 30	42 30	60.5 30.5
MAHOOCK AGRI SCHOOL	MAX MIN	62 40	59 30	77 32	85 45	74 37	78 31	80 41	82 39	71 45	61 33	64 25	69 45	65 34	56 27	56 26	65 44	49 23	56 18	7 7	19 8	25 25	38 27	47 24	65 39	57 32	56 23	61 25	55 25	49 36	41 33	60.9 31.8	
MANOAN EXP STATION	MAX MIN	65 29	64 31	62 32	77 44	87 44	75 34	79 41	80 39	83 41	65 39	52 32	62 45	71 38	61 28	58 27	72 31	35 20	50 11	35 7	50 24	63 30	60 52	52 35	66 30	51 25	58 30	61 26	60 35	57 33	41 33	62.0 30.9	
MANOAN FT LINCOLN PARK	MAX MIN	73 36		77 41	90 40	84 42	79 32	85 40	87 41	78 42	64 35	62 30	72 43	65 35	60 25	59 27		57 35	49 27	35 21	49 26	64 42	63 35	60 35	63 26	64 28	58 19	63 24	61 24	51 31	48 26	42 26	64.2 31.0
MARMARTH	MAX 																																

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MOTT	MAX MIN	59 37	62 25	80 37	86 42	75 36	82 29	80 34	81 39	60 43	57 35	58 30	70 36	58 31	59 20	61 18	70 37	53 28	43 25	38 2	53 19	67 32	63 36	62 32	63 35	60 39	66 22	59 32	59 16	53 18	42 22	49 21	62.2 29.3
MUNICH 4 SW	MAX MIN	58 25	72 33	82 41	75 37	74 29	76 36	82 38	74 41	63 33	61 27	60 44	65 32	56 26	53 18	64 31	53 19	45 25	32 15	43 18	55 26	50 31	40 27	56 34	49 31	48 17	61 24	53 21	48 40	45 33	37 31	57.7 29.4	
NAPOLEON	MAX MIN	63 43	59 30	73 38	87 44	75 35	76 29	80 48	84 40	68 41	64 39	68 50	65 34	57 29	57 30	70 37	57 28	53 27	34 7	49 19	60 26	55 43	51 32	62 29	54 41	57 32	61 33	59 27	53 41	42 35	44 30	61.8 33.9	
NEW ENGLAND	MAX MIN	60 38	63 28	80 33	85 45	75 41	83 34	80 35	75 42	59 31	61 31	69 34	52 35	56 20	60 22	62 42	51 30	41 25	50 29	65 24	62 39	64 34	67 30	62 32	68 25	57 34	59 19	58 20	37 17	49 24	49 31	62.2 31.3	
NEW SALEM 1 SE	MAX MIN	64 46	63 32	72 43	87 56	76 46	79 40	82 45	83 47	63 35	63 32	72 46	58 34	60 29	72 28	56 41	57 31	59 23	35 8	52 19	63 33	60 35	53 37	63 31	55 35	60 28	60 30	59 30	57 33	49 32	43 31	61.5 35.0	
NEWTOWN	MAX MIN	61 40	61 32	79 39	82 41	71 37	81 41	78 41	73 40	59 33	58 32	68 35	56 38	54 24	60 23	58 42	56 29	40 25	37 5	51 23	58 28	61 37	51 35	67 38	66 42	64 35	58 38	53 24	54 20	50 33	42 24	60.6 32.4	
OAKES	MAX MIN	65 43	60 39	70 33	80 41	76 45	72 34	76 42	81 39	80 41	72 38	68 35	70 36	62 39	61 31	73 36	62 39	52 32	35 15	47 16	62 22	54 44	47 31	61 21	54 35	49 37	62 27	48 39	43 35	40 35	62.0 34.5		
PARK RIVER	MAX MIN	60 42	59 36	68 34	84 50	81 45	74 39	75 39	78 42	58 41	63 29	61 44	69 40	63 37	56 30	64 45	55 30	45 28	34 24	55 21	57 30	54 34	43 29	51 20	51 30	54 24	62 30	55 32	46 53	38 35	59.3 34.5		
PARSHALL	MAX MIN	64 44	62 24	78 39	84 55	76 46	81 38	79 54	75 48	68 31	58 38	69 42	62 30	58 29	61 24	57 37	46 27	37 12	50 22	60 38	59 37	66 28	59 34	60 40	59 29	57 40	59 18	57 19	50 33	41 25	61.9 33.7		
PEMBINA	MAX MIN	60 44	64 36	70 34	85 48	72 42	81 34	79 47	84 44	73 42	69 27	65 45	73 39	62 36	60 26	67 55	56 24	30 24	45 20	50 28	44 34	40 26	52 30	51 34	66 30	56 32	53 30	45 36	39 32	60.3 34.4			
PETERSBURG	MAX MIN	58 40	57 29	70 31	84 46	70 40	73 31	75 45	77 42	61 35	61 31	60 44	68 36	56 32	53 25	65 39	54 27	42 23	29 20	43 18	56 26	49 31	39 28	51 18	47 29	50 28	62 25	60 36	46 36	42 31	36 52.3		
PETTIBONE	MAX MIN	61 36	57 31	75 34	87 46	78 40	76 29	79 43	82 42	74 36	63 43	67 46	65 36	57 27	56 46	37 37	24 27	8 8	60 60	57 37	61 25	54 38	49 35	57 30	57 25	57 38	51 22	49 39	41 36	38 30	61.2 33.2		
PORTAL	MAX MIN	60 36	61 24	77 30	79 50	66 34	81 38	79 50	78 35	78 38	54 35	57 28	63 35	55 25	61 35	60 26	53 20	32 1	38 11	48 25	57 31	30 30	35 35	58 30	58 25	58 27	55 22	55 22	39 26	59.5 29.3			
POWERS LAKE 1 N	MAX MIN	56 26	60 21	75 43	78 51	78 30	78 30	79 53	76 30	60 35	66 35	53 30	59 18	63 20	54 20	34 20	49 15	56 22	56 30	54 31	65 32	56 35	65 31	58 30	56 35	58 31	56 28	57 23	41 18	40 29	60.1 27.8		
RAUB 10 SSW	MAX MIN	75 35	85 36	70 32	88 44	70 44	88 44	49 50	75 50	63 35	65 34	65 34	31 31	60 33	61 31	54 32	47 31	35 23	50 34	63 34	61 40	52 37	60 37	65 39	65 32	60 38	61 20	58 30	51 35	40 28	61.3 34.9		
RICHARDTON ABBEY	MAX MIN	62 44	61 33	79 40	85 48	77 42	81 34	78 45	75 53	69 41	58 37	68 42	65 41	59 26	58 37	48 23	53 31	36 6	50 23	64 31	62 44	59 39	63 33	60 40	65 29	60 33	58 29	55 28	47 36	46 24	62.2 35.1		
RIVEROALE	MAX MIN	65 33	61 32	60 36	75 44	83 44	70 36	78 39	75 45	74 46	62 37	55 32	61 37	68 36	57 24	56 25	59 27	65 32	33 10	35 9	52 23	61 30	57 36	52 33	62 34	50 28	59 31	57 28	58 30	55 31	41 32	59.5 31.9	
ROLLA	MAX MIN	58 43	58 35	71 34	79 41	64 45	74 39	80 43	81 43	63 49	57 35	62 29	60 45	65 38	56 32	53 28	42 40	34 16	45 16	54 27	43 30	38 24	57 23	51 32	50 24	60 29	51 26	41 26	41 32	37 31	56.6 32.8		
RUGBY	MAX MIN	61 43	58 29	72 32	85 48	76 42	76 36	79 42	83 46	77 46	66 33	64 30	71 35	64 34	59 27	56 21	42 23	58 27	35 9	46 19	55 29	56 35	50 29	65 27	60 39	56 22	50 27	47 27	42 33	72 33	61.1 32.3		
SAN HAVEN	MAX MIN	57 40	58 33	70 33	80 48	69 42	75 35	78 43	82 39	72 48	59 36	62 29	64 43	65 32	56 29	54 25	62 41	57 27	34 14	44 20	53 26	48 32	39 28	63 23	57 25	51 26	60 23	52 25	51 41	46 33	37 31	58.1 32.4	
SHARON	MAX MIN	60 40	57 30	70 32	85 47	70 47	72 32	77 42	75 43	75 55	60 41	60 31	62 45	68 38	57 35	53 30	66 43	45 27	28 19	44 17	58 27	50 35	40 26	53 22	48 37	62 36	48 31	62 27	48 35	42 32	35 32	57.6 34.3	
STANLEY	MAX MIN	60 37	61 28	77 38	80 42	67 39	78 36	79 42	77 39	66 37	57 32	59 27	67 34	54 38	55 29	63 22	55 22	35 41	50 18	56 28	60 36	51 36	62 36	58 41	64 28	57 29	52 26	56 28	44 30	40 32	59.2 31.8		
STEELE	MAX MIN	63 43	61 31	76 39	89 45	75 47	78 34	80 47	85 41	78 44	60 37	64 31	71 47	67 36	60 29	58 28	63 33	51 20	37 5	49 20	61 26	57 42	56 34	63 28	60 40	58 29	52 26	52 42	44 36	43 30	62.9 34.3		
TIOGA 1 E	MAX MIN	67 34	61 24	62 42	78 40	80 34	69 33	80 46	79 42	75 44	55 31	60 29	60 36	68 36	55 21	54 17	61 29	44 24	52 -1	36 2	50 20	56 28	62 35	52 40	68 34	58 40	68 36	58 25	57 30	40 31	60.5 29.5		
TOWNER	MAX MIN	64 39	60 26	74 35	84 42	71 36	78 28	81 39	84 37	72 43	60 29	61 27	70 37	61 33	62 24	58 19	67 42	61 23	36 4	48 16	58 28	56 31	49 30	54 39	63 22	60 33	58 24	52 35	42 35	43 32	60.9 30.2		
TROTTERS 3 S	MAX MIN	62 44	63 33	80 39	85 48	72 42	84 36	78 44	70 43	52 35	55 30	64 35	66 40	53 34	52 35	60 25	66 43	49 36	40 7	52 26	65 33	63 42	65 33	71 39	56 39	75 34	57 28	54 23	49 25	38 26	60.7 34.1		
TURTLE LAKE	MAX MIN	64 43	61 31	76 39	87 49	75 42	77 35	80 40	84 42	70 45	58 34	61 32	70 44	62 34	59 28	67 41	57 28	42 23	35 6	50 26	60 23	61 40	52 34	62 32	57 39	55 26	59 30	55 30	45 38	43 36	61.5 34.1		
UNDERWOOD 4 ESE	MAX MIN	61 43	59 32	75 35	85 48	75 42	77 36	79 44	84 43	68 45	57 44	62 30	69 43	60 36	57 28	60 26	41 27	35 7	48 26	61 31	59 40	51 35	61 30	58 40	54 35	53 25	42 28	58 32	57 31	45 31	60.3 34.0		
UPHAM 3 N	MAX MIN	65 39	60 28	74 3																													

DAILY TEMPERATURES

NORTH DAKOTA
OCTOBER 1960

Continued

Station		DayOf Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	62	60	75	86	74	77	79	83	72	58	60	70	63	58	58	67	51	46	30	49	60	57	55	62	57	55	60	54	56	44	41	60.6
	MIN	42	30	38	46	44	36	43	51	42	34	38	34	42	30	30	39	30	16	6	20		34	28	36	23	34	25	35	33	30	33.4	
WISHEK	MAX	60	63	61	73	86	75	77	80	83	80		65	68	68	98	57	72	55	41	31	47	60	56	52	61	45	58	63	61	48	41	61.5
	MIN	39	26	29	41	37	26	44	33	39	39	37	31	29	26	25	36	24	33	4	11	22	28	28	28	38	32	31	15	30	37	31	30.0

EVAPORATION AND WIND

Station		Day of month																															Total	Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
RIVERDALE	EVAP	.19	.15	.17	.22	.20	.13	.21	.14	.17	.17	-	-	-	-	-	120	150	112	129	63	50	151	99	141	196	97	154	189	98	128	130	336.9	
	WIND	160	106	65	67	96	91	106	49	89	137	70	76	48	109	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MAX	63	59	60	74	70	73	75	74	63	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MIN	31	31	36	40	44	40	39	43	46	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILLISTON EXP FARM	EVAP	.27	.11	.13	.23	.25	.06	.29	.19	.19	.14	.07	.09	.04	.19	.18	.32	.07	.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	156	37	36	121	100	20	80	56	170	56	42	108	133	67	124	174	75	156	69	34	75	162	73	115	141	51	229	108	37	206	27	304.8	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

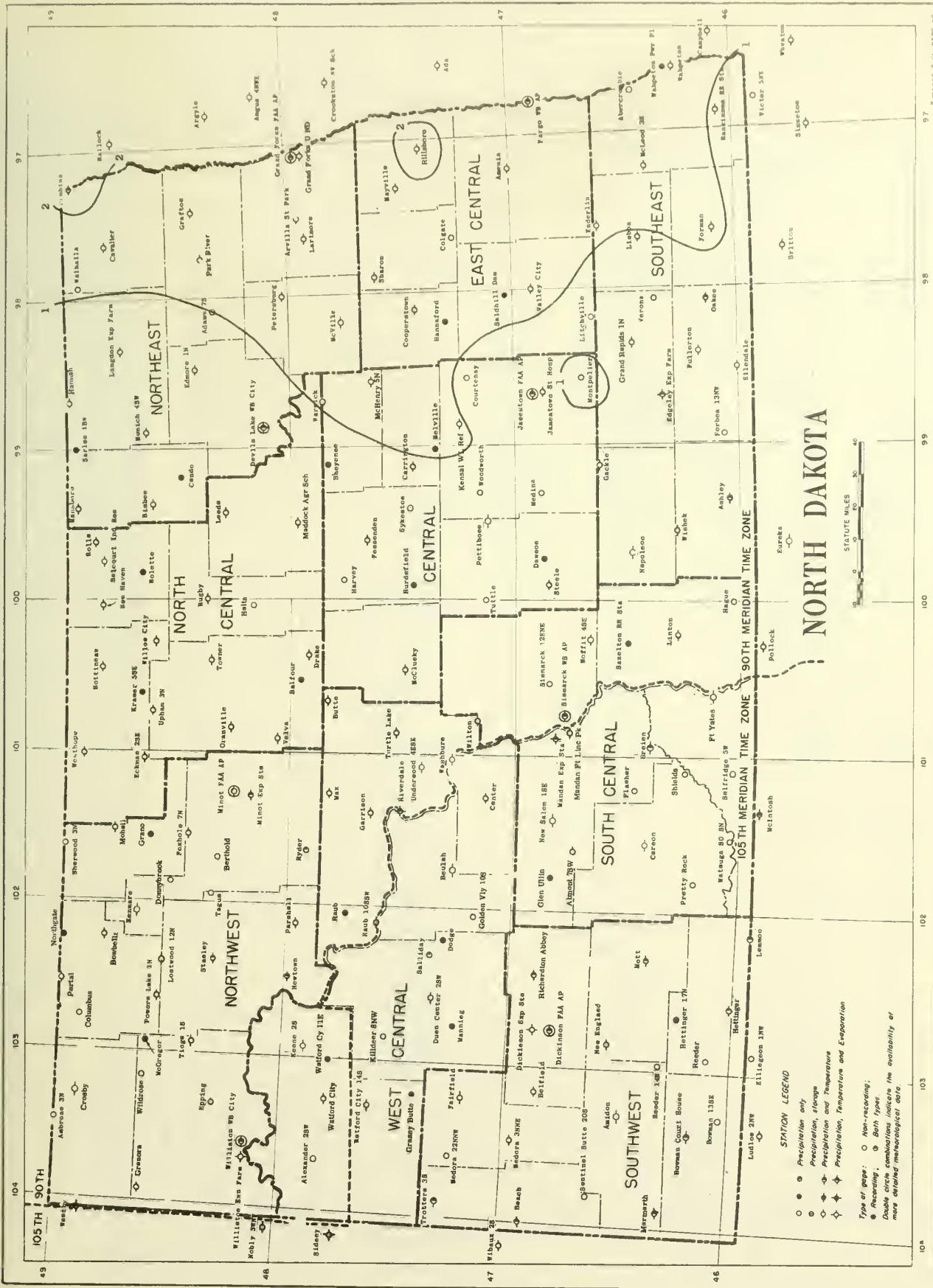
SNOWFALL AND SNOW ON GROUND

Station		Day of month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ALMONT 5 6W	SNOWFALL 6N ON GND																																T		
BEACH	SNOWFALL SN ON GND																															T	T		
BELCOURT INDIAN RES	SNOWFALL SN ON GND																		T													T			
BEULAH	SNOWFALL SN ON GND																															T			
BISMARCK WB AIRPORT	6NOWFALL SN ON GND																					T													
BOWBELLS	SNOWFALL SN ON GND																																T	T	
CAVALIER	SNOWFALL SN ON GND																		T					T											
DEVILS LAKE WB CITY	SNOWFALL SN ON GND																		T		T														
FAIRFIELD	SNOWFALL SN ON GND																		T																
FARGO WB AIRPORT	SNOWFALL SN ON GND																			T		T													
GRAFTON	SNOWFALL SN ON GND																			T					T										
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND																			T		T													
HANSBORO	SNOWFALL SN ON GND																																		
HETTINGER	6NOWFALL SN ON GND																																	T	
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND																																	T	
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND																																	T	
LANGDON EXP FARM	SNOWFALL SN ON GND																																		
MAYVILLE	SNOWFALL SN ON GND																																		
MINOT FAA AIRPORT	SNOWFALL SN ON GND																																		T
MOHALL	SNOWFALL SN ON GND																																		T
MUNICH 4 SW	SNOWFALL SN ON GND																																		T

See reference notes following Station Index.

TOTAL PRECIPITATION

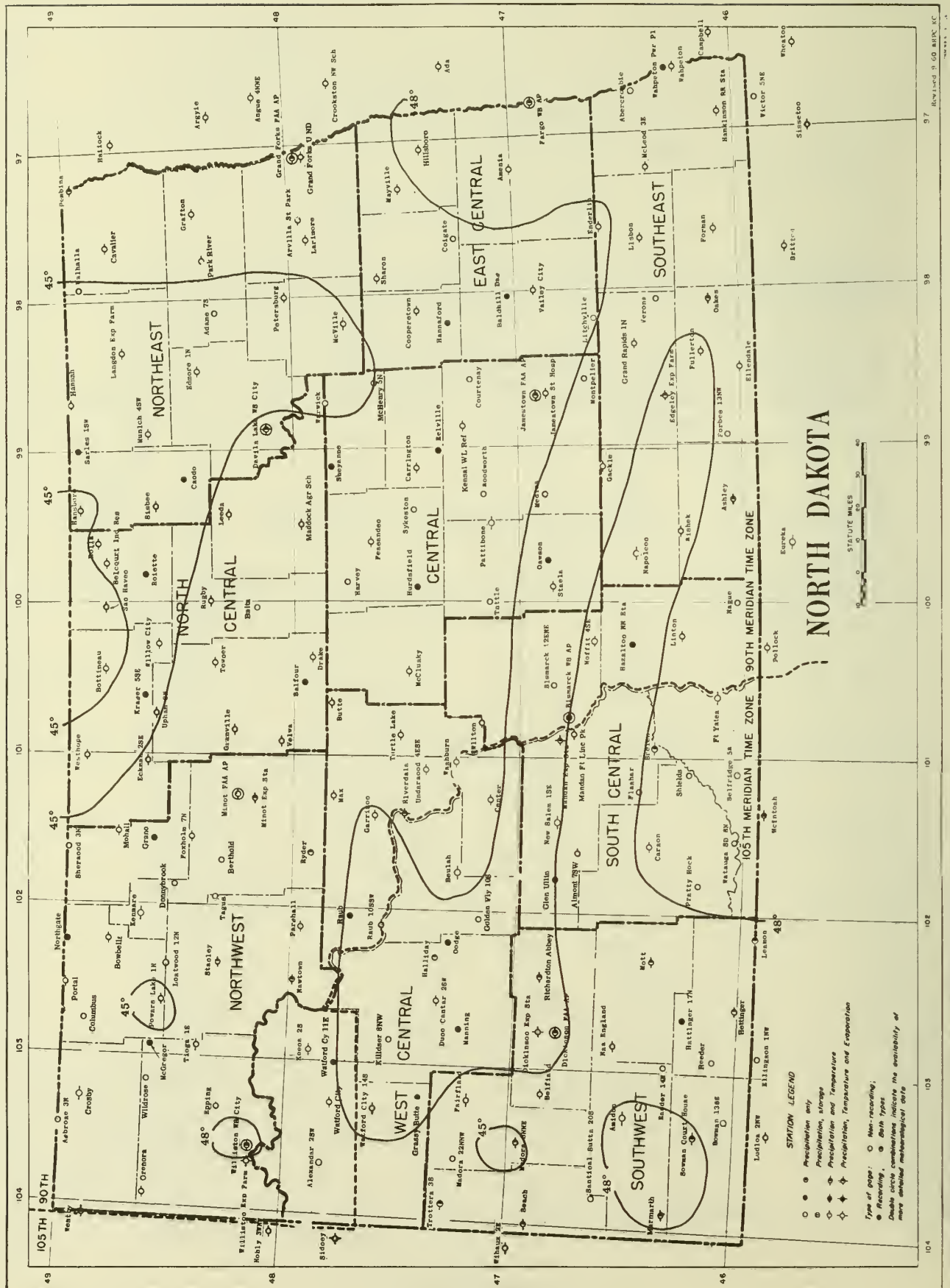
OCTOBER 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

OCTOBER 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

NORTH DAKOTA
OCTOBER 1960

† DRAINAGE CODE: 1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMAUNA 10. RED 11. SNEYDEN 12. SOUTHERN 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- * And also on an earlier date or dates.
- + Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Monthly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---12-2-60---825





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U. S. DEPARTMENT OF COMMERCE
FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

NOVEMBER 1960
Volume 69 No. 11



ASHEVILLE: 1961

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NORTH DAKOTA
NOVEMBER 1960

CLIMATOLOGICAL DATA

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CLIMATOLOGICAL DATA

NORTH DAKOTA
NOVEMBER 1960

Continued

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max		Min						Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More	
										32° or Above	31° or Below	32° or Above	31° or Below											
TURTLE LAKE	39.7	18.2	29.0		69	25	-15	30	1075	0	8	30	2	.12		.04	28+				0	0	0	
UNDERWOOD & ESE	38.5	17.0	27.8		67	25	-15	30	1109	0	9	30	2	.22		.10	17				1	0	0	
WASHBURN	39.0	18.2	28.6	-0.3	66	25	-12	30	1085	0	6	30	2	.43	-.06	.43	17				1	0	0	
WATFORD CITY	40.1	18.8	29.5	0.5	72	25	-15	29	1059	0	6	29	2	.84	.28	.32	28+				4	30+	0	
WATFORD CITY 14 S	44.1	17.6	30.9		75	25	-22	29	1020	0	4	29	2	.40		.29	17				4	30+	0	
WILTON	38.2	16.5	27.4		62	25	-11	30	1124	0	8	30	2	.18		.12	17	3.0			1	0	0	
DIVISION			28.4		1.2									.42	-.13			5.2						
CENTRAL DIVISION																								
CARRINGTON	39.3	16.7	28.0	2.2	67	26	-10	30	1103	0	9	30	2	.11	-.47	.07	29	1.5			1	30+	0	
FESSENDEN	41.5	17.0	29.3	3.1	68	25	-15	30	1061	0	7	29	2	.27	-.41	.27	28	3.0			9	30+	1	
JAMESTOWN FAA AIRPORT	//R	40.8	18.5	29.7		70	25	-7	30	1054	0	7	30	2	.42		.42	28	4.0			4	30+	0
JAMESTOWN STATE HOSP		40.6	19.6	30.1	2.1	70	25	-6	30	1040	0	7	29	1	0	.35	-.32	.32	28					0
KENSAL WILDLIFE REFUGE		41.8	17.7	29.8		67	25	-13	30	1051	0	6	29	2	.06		.06	28					0	
MC CLUSKY		38.8	17.3M	28.1M	1.1	65	25	-16	30	1100	0	9	29	2	.16	-.49	.11	28	2.0				1	0
MC HENRY, S N		38.1	16.4	27.3		65	25	-11	30	1124	0	9	30	2	.27		.19	28	3.0			2	30+	1
PETTIBONE		39.7	16.1	27.9	1.5	61	25	-15	30	1107	0	8	30	2	.21	-.29	.15	28	1.0				1	0
STEELE		42.4	18.1	30.3	2.9	66	25	-10	30	1035	0	5	30	2	.18	-.27	.18	17	T			T	30+	1
DIVISION			28.9		2.2									.23	-.36			2.1						
EAST CENTRAL DIVISION																								
AMENIA		41.5	19.7	30.6		60	25+	-5	30	1023	0	6	29	1	.31		.30	28	6.0			6	30+	1
COOPERSTOWN		38.8	18.6	28.7		63	25	-10	30	1083	0	9	30	2	.52	-.13	.41	28	1.3				1	0
FARGO WB AIRPORT	//R	39.6	20.1	29.9	2.3	58	21	-12	30	1046	0	6	30	2	1.63	-.76	1.62	28	11.0			11	30+	1
HILLSBORO		40.2	21.2	30.7	3.4	57	21	-4	30	1023	0	7	28	1	.33	-.43	.30	28	4.0				1	0
HAYVILLE		39.6	20.6	30.1	2.4	60	25	-7	30	1039	0	10	29	1	.48	-.16	.31	28	5.0			4	29	1
SHARON		37.7	18.0	27.9	2.1	62	25	-8	30	1105	0	10	30	2	.30	-.44	.20	28	4.0			3	30+	2
VALLEY CITY		40.2	17.8	29.0	0.4	63	25+	-13	30	1074	0	8	29	2	.41	-.33	.40	28	9.2			9	29+	1
DIVISION			29.6		2.4									.57	-.13			5.8						
SOUTHWEST DIVISION																								
AMIDON		43.0M	19.1M	31.1M		70	26	-7	30+	1027	0	5	29	4	.51		.24	2					2	0
BEACH		41.8	16.5	29.2		69	26	-12	29	1069	0	6	30	4	.57		.30	2	3.0			3	30+	2
BELFIELD		40.4	17.1	28.8		68	25	-15	30	1080	0	6	30	3	.55		.16	27				5	30+	2
BOWMAN COURT HOUSE		42.6	18.3	30.5	0.5	66	25	-4	30+	1028	0	6	28	3	.41		.23	27					2	0
OICKINSON FAA AIRPORT	//R	41.2	18.3	29.8		70	25	-8	30	1049	0	6	29	3	.65		.32	27	4.3			4	29+	2
OICKINSON EXP STATION		41.3	14.0	27.7	-0.2	70	26	-16	29	1114	0	6	29	4	.72	.17	.39	28					2	0
FAIRFIELD		40.8	17.4	29.1		66	25	-6	30	1071	0	5	30	3	.39		.15	28	6.0			T	27	1
HETTINGER		43.6	18.4	31.0	0.2	65	25	-4	29	1012	0	5	28	4	.11	-.25	.11	1	T				1	0
MARMARTH		44.6	14.8	29.7	-0.4	71	26	-19	29	1054	0	6	30	4	.48	.03	.28	28	4.5			5	28	2
MEORA 3 NNE		43.3	9.3	26.3		67	25	-25	29	1156	0	5	30	3	.15		.08	1	4.0			4	30+	0
MOTT		43.0M	14.4M	28.7M	-1.2	66	25	-13	30	1084	0	5	30	3	.25	-.19	.11	1				1	30+	1
NEW ENGLAND		43.0	17.2	30.1	-0.1	71	25	-9	30	1038	0	5	29	3	.60	-.08	.38	1	1.5				1	0
RICHARDSON ABBEY		41.6	19.7	30.7	1.1	70	25	-8	30	1023	0	5	29	2	.50	-.32	.15	28+	3.9			2	30+	2
TROTTERS 3 S		41.6	18.6	30.1		70	25	-8	29	1039	0	5	29	4	.39		.11	17	4.6			3	30+	1
DIVISION			29.5	-0.2										.45	-.04			3.5						
SOUTH CENTRAL DIVISION																								
ALMONT 7 SW		42.0	19.4	30.7		70	25	-11	30	1022	0	5	29	2	.14		.08	17	2.1			1	30+	0
BISMARCK WB AIRPORT	//R	41.2	16.5	28.9	0.5	71	25	-14	30	1076	0	6	30	2	.40	-.13	.23	28	5.6			3	30+	2
BREIEN		45.0	14.1	29.6		73	25	-17	30	1055	0	5	29	3	.03		.03	28	4.0				0	0
CARSON		42.4	16.1	29.3	0.0	69	26	-13	29	1065	0	7	30	2	.18	-.37	.07	2					0	0
FORT YATES		M	17.9M			70	26	-10	30		0	30	2	0	.05	-.31	.05	29	.5				0	0
LINTON		45.6	15.5M	30.6M	1.3	70	25	-17	30	1031	0	5	30	2	.14	-.26	.10	28	1.4				1	0
MANDAN EXP STATION		41.2	16.9	29.1	0.8	72	26	-13	30	1070	0	8	30	2	.22	-.37	.13	18	3.5			2	30+	1
MANDAN FT LINCOLN PARK		42.5M	15.5M	29.0M		73	25	-15	30	1072	0	5	30	2	.20		.12	17	3.0			2	30+	1
MOFFIT 4 SE		43.2	16.1	29.7		71	25	-22	30	1053	0	5	30	2	.09		.06	28	1.5			1	30+	0
NEW SALEM 1 SE		41.6M	18.6M	30.1M	1.3	71	25	-14	30	1044	0	6	29	2	.26	-.21	.13	28	3.5			2	28	2
DIVISION			29.7	0.3										.17	-.33			2.8						
SOUTHEAST DIVISION																								
ASHLEY		44.0	16.3	30.2	2.1	68	25	-16	30	1037	0	5	30	2	.20	-.22	.16	28	2.0			2	30+	1
EDGELEY EXP FARM		42.7	18.3	30.5	2.5	71	26	-9	30	1030	0	7	30	2	.50	.04	.34	28	4.0			4	30+	2
ELLENDALE		44.2	19.2	31.7	2.4	66	25+	-7	30	993	0	5	30	1	.81	.18	.73	28	9.5			10	29	1
ENOERLIN		41.3	18.3	29.8		64	22	-10	30	1049	0	8	29	1	.53		.50	28				8	30+	1
FORMAN		42.8	20.7	31.8		63	25	-7	30	993	0	5	28	2	.56	-.08	.56	28					1	0
FULLERTON		42.3	15.5M	28.9M	-0.5	66	25+	-13	30	1081	0	6	30	2	.52	-.34	.41	28	5.0				1	0
GACKLE		41.5	22.0	31.8		70	25	-3	30	990	0	5	26	1	.08		.04	28+	3.0			3	30+	0
GRAND RAPIDS 1 N		43.8	18.5	31.2		67	21	-10	30	1010	0	6	30	2	.70		.55	28	6.0				1	0
HANKINSON R R STATION		41.5	21.9	31.7	3.0	60	22	-8	30	992	0	5	29	1	.41	-.28	.25	28	6.0				1	0
LISBON		44.9	19.5	32.2	3.2	64	21	-9</																

NORTH DAKOTA
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See reference notes following Station Index.

DAILY PRECIPITATION

NORTH DAKOTA
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Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
POWERS LAKE 1 N	0 .14								T		T	D .10	T	T																				
PRETTY ROCK	.38	.22							T				.04	T					.06	T									T	.04				
RAUB 10 SSW									T																				T	.06	T			
REEDER	.22	.07											.02	T															T	.30				
REEDER 14 N	.41		.23											.10	T														.13	.08				
RICHARDSON ABBEY	.50	.07	.09	T					T	T		T		.02			T	.15											.02	.15				
RIVERDALE	.14	T							T	T		T		.03				.06						T					.02	.03	T			
ROLLA	.38				T				.02		.04	.08		.08																.16				
RUGBY	.31								T		.14	.02	.07																	.08				
RYDER	.17			T							T	.07							T											.10				
SAN HAVEN	.29								T	T	.01	.08	T		.11															.09				
SELFRIDGE 5 W	.46	.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
SENTINEL BUTTE 20 S	.30								T	T	.10	T																	.28	.20				
SHERWOOD 3 N	.58								T	T	.03	.20		.05	.15															.15				
SHIELDS	.13																	.08												.05				
STANLEY	.26	T							T		.03	.11						.01												.11				
STEELE	.18				T												T	.18												T				
SYKESTON	.11												.03																	.08				
TAGUS	.16								T		.01	.06		.02	.01															.06				
TIOGA 1 E	.20								T		.01	.03		.01				.03												.12				
TOWNER	.26										.12								.14											.14				
TRUITERS 3 S	.39	.08	.01	T										.06			T	.11											.04	.09				
TURTLE LAKE	.12								T		T	.02		.04				.02					T							.04				
TUTTLE	.06				T				T						T		T	.03												.03				
UNOERWOOD 4 ESE	.22				T							T		.04				.10												.08				
UPHAM 3 N	.49								T		.14	T		.02	.04															.29				
VALLEY CITY	.41									T		T		T																.40				
VELVA	.33				T				T			.04		.04																.25				
VERONA	.92											.43																		.40	.09			
WAMPETON	1.62					T	.02		T				T																					
WALHALLA	.95										.15	T	T	.20		.29														.31				
WARWICK	.21								T	T	T	T	.09																		.12	T		
WASHBURN	.43																	.43																
WATAUGA 5 OAKOTA 8 N	.28	.03											T					.17												.08				
WATFORD CITY	.84	.10	.05									.05							.32												.32			
WATFORD CITY 14 S	.40		.04															.29											.05	.02				
WESTHOPE	.16		T							T		.02	.10		T	T														.04				
WILOROSE	.22									T						.12															.10			
WILLISTON WB CITY	.64				T					T		.01	.05		.06		.11	.22				T							.09	.10				
WILLISTON EXP FARM	.43	T	T		T							.01	.05					.24												.13				
WILLOW CITY	.16									T		T	.05		.01	.04														.06				
WILTON	.18																														.06			
WISNEK	D .20					T						T	T					.12												D .20				
WOODWORTH	.21																														.21			

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
NOVEMBER 1960

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX MIN	41 21	51 28	45 25	45 21	52 22	42 18	50 29	39 16	25 3	42 9	34 23	41 37	37 25	57 29	50 23	42 22	40 20	43 22	48 29	55 27	55 30	41 17	42 16	53 26	70 41	55 20	21 9	14 7	15 -7	14 -11	42.0 19.4	
AMENIA	MAX MIN	38 34	48 28	50 31	43 29	49 25	38 31	51 26	45 21	25 12	33 8	33 19	37 19	33 18	55 48	48 31	42 25	32 18	40 11	43 28	52 22	60 22	52 22	41 12	53 20	60 18	48 19	27 14	27 12	17 4	15 -5	41.5 19.7	
AMIDON	MAX MIN	45 24	44 25	45 25	42 21	45 20	48 20	45 32	48 -2		34 11	37 18	40 24	41 26	43 52	43 24	43 16	43 26	43 27	44 29	42 27	56 29	57 18	44 53	53 27	70 37		18 0	10 -7	13 -7	43.0 19.1		
ARVILLA STATE PARK	MAX MIN	36 31	47 28	52 29	39 28	41 26	49 25	48 26	43 20	24 10	30 4	31 8	29 7	29 15	47 16	46 10	27 16	31 10	49 10	48 31	50 30	52 25	48 20	42 11	34 18	53 17	44 11	19 9	21 9	11 0	15 -11	37.8 16.6	
ASHLEY	MAX MIN	44 25	50 20	50 21	44 21	52 15	42 21	58 15	46 15	25 6	40 5	37 15	46 13	36 23	61 30	50 21	41 21	39 21	46 11	58 27	53 21	65 25	43 13	45 10	50 18	68 31	54 21	32 15	16 6	14 -3	14 -16	44.0 16.3	
BEACH	MAX MIN	51 15	46 23	49 22	41 17	37 19	49 19	50 19	43 17	19 -3	30 0	42 20	47 24	41 18	42 24	55 42	42 19	44 25	42 19	48 28	56 25	52 39	44 16	52 22	39 14	57 22	69 19	28 12	14 3	9 -12	18 -9	41.8 16.5	
BELCOURT INDIAN RES	MAX MIN	35 28	47 22	43 19	37 24	45 18	40 26	43 22	40 12	20 3	26 6	23 2	24 15	22 19	43 19	45 25	32 21	34 8	38 5	44 21	38 21	44 23	31 11	39 1	34 16	51 15	44 13	13 9	11 1	13 0	13 -12	33.7 13.6	
BELFIELD	MAX MIN	43 16	49 30	42 22	41 20	44 18	42 17	45 31	36 15	26 1	41 18	40 21	39 21	40 14	55 21	41 21	42 17	40 21	40 17	45 31	57 28	55 28	39 16	44 14	58 21	68 32	32 18	11 -3	16 -12	14 -15	40.4 17.1		
BEULAH	MAX MIN	45 29	55 23	47 18	43 15	55 17	47 17	48 29	40 16	28 5	41 16	32 23	36 16	59 28	48 19	40 20	42 17	34 19	39 8	46 28	51 17	48 20	39 17	45 11	48 29	70 20	47 12	16 9	13 -8	14 -14	41.1 17.1		
BISBEE	MAX MIN	37 30	49 25	44 25	36 26	36 23	45 25	43 26	28 17	27 8	28 8	26 8	27 13	27 21	39 12	41 21	32 26	41 20	32 22	41 20	44 25	48 20	34 19	41 7	31 18	51 12	39 8	19 6	11 4	11 -5	34.2 15.8		
BISMARCK WB AIRPORT	MAX MIN	45 26	53 27	48 23	45 19	53 16	40 21	54 31	39 20	26 11	40 11	30 20	38 14	47 24	51 28	51 24	44 11	35 7	41 28	48 24	56 25	55 23	42 13	43 7	46 16	71 31	40 15	20 11	15 7	13 -13	8 -14	41.2 16.5	
BOTTINEAU	MAX MIN	42 27	38 22	51 20	43 15	38 18	51 22	39 22	47 14	22 -3	21 -2	27 13	25 16	29 23	40 19	39 19	31 14	32 14	40 10	43 22	45 22	45 26	48 9	35 5	44 11	35 22	60 25	16 4	15 -8	19 -13	35.5 13.6		
BOWBELLS	MAX MIN	37 30	43 19	51 23	45 11	41 19	49 15	42 31	42 10	21 -3	25 3	30 6	25 9	27 19	30 23	35 22	38 15	31 11	35 25	42 25	46 29	48 29	52 14	37 11	44 19	35 20	65 11	12 8	12 5	17 -18	7 -16	35.9 13.5	
BOWMAN COURT HOUSE	MAX MIN	48 21	48 28	46 24	42 20	51 18	49 19	48 33	38 14	29 3	46 13	46 23	44 23	45 25	55 22	42 23	44 21	43 21	54 29	49 24	58 37	55 12	39 13	42 23	59 29	66 24	31 10	11 6	9 -4	23 -2	17 -4	42.6 18.3	
BREIEN	MAX MIN	44 20	55 19	53 18	51 15	54 13	48 11	57 25	45 20	27 10	45 0	42 23	44 19	41 10	58 23	52 23	44 21	43 9	45 9	52 33	58 15	59 20	44 10	44 1	53 13	72 22	44 24	11 2	20 7	17 -5	10 -17	45.0 14.1	
BUTTE	MAX MIN	38 23	37 24	51 27	46 19	41 19	50 20	42 19	47 23	22 19	25 2	34 15	26 13	27 14	30 26	51 27	41 14	40 26	32 27	49 21	50 27	52 16	40 15	42 20	43 26	65 27	24 16	15 7	13 -5	13 -13	37.4 16.4		
CARRINGTON	MAX MIN	40 32	39 30	49 26	45 19	39 20	49 24	42 22	50 24	27 7	23 7	33 7	24 11	29 18	30 17	61 21	47 25	41 20	34 13	48 16	52 29	52 29	59 16	40 10	44 11	42 22	67 23	27 9	20 8	15 -5	12 -10	39.3 16.7	
CARSON	MAX MIN	47 14	43 19	52 18	49 15	45 14	53 13	41 22	54 20	23 1	26 6	46 22	34 23	41 20	42 24	56 20	49 18	42 25	32 15	44 25	49 25	57 28	56 12	43 15	43 23	58 27	69 24	30 9	17 7	14 -13	17 -7	42.4 16.1	
CAVALIER	MAX MIN	35 32	43 31	46 31	39 33	48 27	38 31	46 33	41 27	21 14	29 5	27 17	31 20	27 22	40 22	42 26	36 23	32 12	37 13	47 31	48 30	50 30	47 20	45 18	39 19	44 19	44 14	14 8	14 9	15 0	15 -2	36.0 20.1	
CENTER	MAX MIN	51 28	53 27	48 28	42 15	52 17	48 15	50 25	42 14	26 6	38 6	37 20	37 12	58 26	48 22	43 26	37 21	37 10	48 5	43 30	37 25	50 26	42 16	42 16	47 16	70 30	50 20	14 30	12 6	12 -4	12 -18	41.3 16.2	
COOPERSTOWN	MAX MIN	36 31	47 25	46 27	39 25	48 22	46 30	52 26	44 19	22 12	30 9	30 16	32 11	27 23	54 20	47 30	37 23	33 19	43 13	50 28	52 25	57 28	44 17	38 10	36 17	63 25	50 16	18 10	13 0	16 -10	15 -10	38.8 18.6	
CROSBY	MAX MIN	43 18	59 23	46 23	42 21	51 16	45 12	41 29	38 9	25 -3	38 11	25 10	29 20	29 19	44 19	39 21	35 13	37 10	45 25	46 26	45 27	49 25	34 12	42 11	41 23	62 20	46 10	16 9	13 -3	16 -14	17 -14	38.0 14.3	
DEVILS LAKE WB CITY	MAX MIN	35 26	48 29	44 27	37 26	49 24	37 27	47 27	36 14	21 6	31 13	23 13	27 9	28 22	49 21	43 25	34 19	32 18	45 16	47 30	50 28	53 28	39 19	43 13	33 25	61 31	38 14	11 7	12 -2	15 -8	35.8 18.1		
DICKINSON FAA AIRPORT	MAX MIN	42 18	49 29	43 24	42 19	53 20	47 18	46 30	30 7	26 2	43 17	37 24	39 18	38 23	55 30	45 24	42 21	41 22	47 30	49 30	56 32	54 17	41 16	46 16	57 28	70 37	37 15	11 9	20 -5	14 -7	14 -8	41.2 18.3	
DICKINSON EXP STATION	MAX MIN	49 12	44 13	50 18	43 12	43 15	53 13	47 25	46 18	20 -2	27 0	44 18	37 21	38 14	51 18	40 18	44 18	37 18	48 18	48 24	57 24	55 12	40 12	46 8	46 18	57 33	70 30	28 20	13 6	12 -16	16 -15	41.3 14.0	
DRAKE	MAX MIN	39 25	37 25	54 24	48 14	42 15	52 17	48 18	48 19	27 -1	25 1	32 10	25 1	32 10	25 1	30 10	57 12	42 18	37 15	45 28	49 23	51 28	52 15	39 12	42 15	41 27	66 27	15 17	15 6	13 -11	17 -13	39.2 14.7	
DUNN CENTER 2 SW	MAX MIN	50 16	39 27	49 24	42 21	38 19	51 28	47 24	46 18	20 8	29 12	38 24	32 26	36 26	58 26		41 21	33 22	43 23	45 23	51 26	52 22	44 18	45 16	46 20	50 26	67 20	14 26	12 -14	12 -10	39.4 17.8		
EDGELEY EXP FARM	MAX MIN	42 26	42 26	51 26	53 24	44 20	53 21	43 23	57 23	32 10	26 7	35 15	26 16	45 18	36 30	59 22	51 18	42 17	32 30	44 29	52 16	57 20	65 19	44 16	44 16	71 23	34 22	18 11					

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DAILY TEMPERATURES

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICH 4 SW	MAX	36	48	44	36	48	40	43	39	28	28	25	27	25	40	39	35	32	39	42	44	46	36	43	33	53	42	14	9	11	15	34.7	
	MIN	29	26	24	25	22	27	25	16	0	6	10	12	20	18	25	21	12	12	27	24	27	15	8	17	16	14	6	4	-3	-11	15.8	
NAPOLEON	MAX	43	50	49	44	51	43	55	44	24	38	29	41	36	60	50	40	38	48	47	52	57	43	44	50	67	50	23	15	13	19	42.1	
	MIN	26	25	25	20	22	23	27	17	5	8	17	16	24	24	27	23	19	14	27	23	28	15	13	20	32	22	10	7	-5	-18	17.9	
NEW ENGLAND	MAX	43	50	43	41	51	48	47	35	28	45	39	39	40	55	45	44	41	50	59	57	55	39	47	59	71	52	21	12	20	15	43.0	
	MIN	14	30	22	18	19	18	29	13	-1	12	22	24	17	20	21	21	25	19	26	21	29	9	10	21	38	21	10	4	-7	-9	17.2	
NEW SALEM 1 SE	MAX	42	53	47	45	52	49	50	39	25	41	32	39	37	57	50	47	40	40	54	52		43		50	71	55	19	15	13	9	41.6	
	MIN	27	28	27	19	19	22	29	15	4	11	20	22	28	26	21	21	21	19	29	25		20		21	38		2	3	-1	-14	18.6	
NEWTOWN	MAX	41	51	47	42	52	48	44	40	26	35	35	33	33	50	43	35	40	38	46		50		38	45	40	70	50	20	12	15	12	39.0
	MIN	22	24	25	20	19	18	28	13	5	19	19	13	23	17	20	23	20	11	29		30		20	12	21	27	17	11	6	-11	-11	16.9
OAKES	MAX	41	49	53	45	51	48	49	48	25	35	35	45	38	55	48	50	40	33	44	53	53	65	44	45	49	62	35	25	17	13	43.1	
	MIN	32	26	28	26	22	30	23	20	12	6	15	21	17	21	32	29	20	11	13	18	23	23	11	12	22	29	14	13	2	-9		18.7
PARK RIVER	MAX	36	48	46	41	49	47	48	43	24	30	29	31	29	45	46	39	33	42	47	50	51	45	45	39	59	47	16	14	17	15	38.4	
	MIN	32	29	29	29	27	30	27	21	8	10	18	12	19	19	28	24	15	17	32	30	28	21	16	21	19	16	9	9	3	-5		19.8
PARSHALL	MAX	43	52	46	40	53	47	44	39	25	36	30	30	33	55	44	41	34	38	45	49	51	38	45	42	65	53	16	11	15	12	39.1	
	MIN	25	21	17	10	15	12	27	13	-2	9	12	4	21	11	17	17	20	10	26	24	27	9	5	15	25	13	9	5	-24	-19	12.5	
PEMBINA	MAX	36	48	45	39	45	36	43	40	24	27	27	32	29	42	40	31	33	37	48	46	45	43	41	32	45	38	16	15	16	16	35.2	
	MIN	32	29	29	32	26	31	29	21	10	8	8	20	23	26	22	19	8	13	28	29	29	22	13	19	21	15	9	11	2	2		19.5
PETERSBURG	MAX	33	45	44	35	47	38	46	40	23	30	29	28	28	48	45	32	32	42	46	48	49	40	41	31	62	43	14	13	16	17	36.2	
	MIN	30	25	27	25	23	31	20	17	6	8	15	11	20	21	30	20	17	12	22	23	22	14	11	20	22	13	8	8	-1	-11	17.0	
PETTIBONE	MAX	40	49	45	40	49	43	52	43	23	33	32	31	31	60	48	40	33	43	47	53	57	40	45	44	61	49	19	14	12	15	39.7	
	MIN	25	28	26	16	17	26	20	15	5	7	16	14	21	20	28	22	20	10	27	22	28	10	10	18	25	16	8	4	-6	-15	16.1	
PORTAL	MAX	37	44	52	45	35	48	43	41	21	25	28	23	25	30	47	35	35	34	44	45	49	51	37	42	34	62	20	13	11	13	35.6	
	MIN	30	18	20	13	20	9	9	-5		-2	9	16	15	18	21	12	8	9	28	26	30	15	11	21	20	3	10	5	-17	-19	12.2	
POWERS LAKE 1 N	MAX	41	52	45	38	50	42	41	36	23	34	24	27	32	47	39	38	32		45		50		36	41	40	66	40	17	15	15	37.3	
	MIN	22	19	15	12	11	8	29	8	-6	11	11	8	19	18	18	10	10		28		28		10	9	22	24	10	-14	-20	-15	11.3	
RAUB 10 SSW	MAX	38	52				48	40	32	27	38	31	34	36	50	49	40	35	40	52	51	44	42	44	40	70	50	25	13	11	11	38.6	
	MIN	29	28	30	28	24	28	30	15	4	12	14	22	25	29	26	21	22	20	28	28	25	20	22	30	34	15	10	4	1	-2	20.7	
RICHARDTON ABBEY	MAX	41	48	44	42	51	48	45	38	25	42	38	39	37	54	48	42	39	39	47	55	53	41	45	55	70	56	22	12	19	14	41.6	
	MIN	18	30	24	19	20	18	30	16	6	14	24	26	25	28	24	22	26	19	30	27	32	14	15	26	38	20	9	7	-7	-8	19.7	
RIVERDALE	MAX	38	39	52	44	42	51	41	46	25	24	36	31	33	33	56	46	42	33	44	45	49	52	39	44	67	26	16	16	15		38.9	
	MIN	28	25	22	24	19	27	28	22	12	12	17	18	25	22	25	26	24	15	25	28	30	15	28	14	29	20	10	6	-9	-14	18.7	
ROLLA	MAX	38	50	43	35	47	37	45	40	21	23	22	26	25	43	45	33	35	39	45	40	48	32	40	29	49	42	14	12	11	14	34.1	
	MIN	29	26	22	29	21	26	24	14	6	11	9	18	21	20	22	22	14	16	25	24	27	15	12	15	19	12	3	2	-1	-6	16.6	
RUGBY	MAX	39	53	47	41	49	44	46	44	29	30	25	27	29	44	39	35	33	44	46	49	49	38	42	38	59	47	21	20	14	10	37.7	
	MIN	30	26	24	20	21	22	26	16	4	5	0	9	19	20	20	12	12	13	26	29	30	18	12	22	22	18	8	7	-10	-14	15.6	
SAN HAVEN	MAX	34	50	45	38	48	42	44	40	21	27	25	27	29	41	46	35	35	40	45	41	44	37	42	35	55	45	15	10	16	13	35.5	
	MIN	30	23	24	24	18	22	22	13	4	9	8	17	20	21	33	26	16	11	24	23	29	13	8	18	24	15	5	3	-1	-7	16.4	
SHARON	MAX	33	45	45	37	47	41	53	41	23	31	28	28	25	54	46	35	32	41	48	51	55	38	43	35	62	47	19	15	15	17	37.7	
	MIN	30	26	26	24	21	28	27	18	7	7	16	9	18	20	31	22	20	14	29	25	28	16	12	20	22	12	10	10	0	-8	18.0	
STANLEY	MAX	42	51	45	36	49	41	41	38	23	35	25	27	31	51	41	38	32	41	44	46	50	38	42	39	66	46	14	13	14	12	37.0	
	MIN	32	22	28	18	18	15	29	11	-1	11	15	15	20	24	27	17	18	15	29	29	28	15	11	21	24	13	8	2	-13	-14	16.2	
STEELE	MAX	44	50	48	43	51	48	54	45	25	35	34	40	35	61	51	43	33	44	47	56	51	40	45	50	66	54	22	18	18	22	42.4	
	MIN	27	26	22	19	17	22	25	18	5	8	19	17	24	21	29	22	22	13	32	24	29	15	13	19	28	22	10	8	-2	-10	18.1	
TIOGA 1 E	MAX	40	44	52	46	40	51	43	42	19	24	35	26	26	33	45	38	39	31	40	43	45	50	36	42	42							

DAILY TEMPERATURES

NORTH DAKOTA
NOVEMBER 1960

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WISHEK	MAX	38	46	51	51	45	52	42	56	27	24	39	29	44	36	61	51	41	37	47	50	51	63	43	45	51	66	32	18	15	15	42.2	
	MIN	25	22	23	20	15	23	23	20	5	0	13	12	18	19	27	21	21	8	19	22	23	13	3	13	29	27	10	9	-5	-18	15.3	

SNOWFALL AND SNOW ON GROUND

Station		Day of month																																						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
ABERCROMBIE	SNOWFALL SN ON GND												T																			2.0 2	8.0 6	5						
ALMONT 7 SW	SNOWFALL SN ON GND	T							T	T		T		T				1.5 1	-											T	.6 1	1	1	1						
AMENIA	SNOWFALL SN ON GND											T																				6.0 6	6	6						
ASHLEY	SNOWFALL SN ON GND					T			T									T														2.0 2	2	2						
BEACH	SNOWFALL SN ON GND									T								T														3.0 3	3	3						
BELCOURT INDIAN RES	SNOWFALL SN ON GND								T	T	T	.8 1	T 1	T 1	1.5 3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1.3 2	2	2						
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV								T	T		T					.1 T	2.5 -	2	T										T	3.0 T	T 3	3 .2							
BOTTINEAU	SNOWFALL SN ON GND								T	.4 T		.5 1	1.5 2	.2 2	1	1	1	1														1.0 1	T 1	1						
BOWBELLS	SNOWFALL SN ON GND			T	T	T	T		T	T	T	.2 T	.2 T	T	1.0 T	1	T	T	T	T	T	T	T	T	T	T	T	T				1.0 1	.5 1	1						
CAVALIER	SNOWFALL SN ON GND				T	T			T	.5 T	T 1	.5 1	1.0 2	.2 2	T 2	1	1	T														3.0 3	T 3	3						
CENTER	SNOWFALL SN ON GND								T	T		T					T	2.0 2	2	1	T											3.0 3	3	3						
CROSBY	SNOWFALL SN ON GND			T					T		T	2.0 2	2	1	T	T	T																1.4 1	1	1					
DEVILS LAKE WB CITY	SNOWFALL SN ON GND				T			.6 T	1	.3 T	1.6 T	T 2	T 2	1	1	T	T	T	T	T	T	T	T										3.0 T	T 3	3					
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND		T						T	T							T	.2 T		T	T												3.2 4	.9 4	4					
DUNN CENTER 2 SW	SNOWFALL SN ON GND								T	T								3.0 3	3	2	T													- 3	3	3				
ELLEDALE	SNOWFALL SN ON GND				T				T									T	T																9.0 9	.5 10	9			
FAIRFIELD	SNOWFALL SN ON GND											T						T	1.0 1	T															5.0 5	5	-			
FARGO WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV					.1			T	T		T	T	T																					10.9 2	T 11	11			
FESSENDEN	SNOWFALL SN ON GND								T																											.2 1.6	1.6			
FORT YATES	SNOWFALL SN ON GND																																			3.0 3	3	3		
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	T				.2	T		.1	T	T	1.0 T	1	1	1	T	T																			T	.5 1	-		
GRAND RAPIDS 1 N	SNOWFALL SN ON GND																	T	T	T	T															5.5 6	.5 6	-		
GRANVILLE	SNOWFALL SN ON GND				T						T	1.0 T	1	1	1	T	T	T	T																	3.0 3	3	3		
HANNAH	SNOWFALL SN ON GND				T				T	T	.3 T	.3 T	.2 1	T 1	1	1	1	1	1	1	T	T	T													.5 1	1	-		
HETTINGER	SNOWFALL SN ON GND																																				T T			
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND				T	T	T		T	T		T	T					T																			T	4.0 T	4	4
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND					T	T		T			T	T	T																							- 1	-	-	
LANGDON EXP FARM	SNOWFALL SN ON GND								T	.5 1	T 1	.5 1	.3 1	1	1.0 1	1	1	1	1	T																	2.5 3	3	3	

See reference notes following Station Index.

Continued

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
NOVEMBER 1960

Station		Day of month																																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
LEEDS	SNOWFALL SN ON GND											.7 T	.8 1	T 1	T 1																	1.0 1	T	T			
LISBON	SNOWFALL SN ON GND																	1.0 T	T													5.0 5	2.0 7	7			
MARMARTH	SNOWFALL SN ON GND												T T																			4.5 5	4	3			
MAX	SNOWFALL SN ON GND					T			T			T T	.7 T	T T	T T	T T		T T														3.0 3	1.0 4	4			
MAYVILLE	SNOWFALL SN ON GND						T		T	T		T T	1.0 1	1	T T	T T																3.0 3	1.0 4	3			
MC CLUSKEY	SNOWFALL SN ON GND											T		T					T					T								2.0 2	-	-			
MC HENRY 5 N	SNOWFALL SN ON GND								T			1.0 1	T 1	1										T T									2.0 2	2	2		
MINOT FAA AIRPORT	SNOWFALL SN ON GND				T				T T		.1 T	1.0 T	1	T 1	1				T										1.3	2.9 3	3	3					
MOHALL	SNOWFALL SN ON GND				T				T		.5 1	2.5 3	T 2	T 2	T T	T T	T T	T T	T T	T T	T T												2.0 2	2	2		
MOTT	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1		
MUNICH 4 SW	SNOWFALL SN ON GND								T T		1.0 1	T 1	1.0 2	T 2																			.5 1	T			
NAPOLEON	SNOWFALL SN ON GND				T	T												T	T														T	-	2	2	
PARK RIVER	SNOWFALL SN ON GND								T	T	T	.5 1	.5 1	1	T T	T T	T T	T T	T T															-	1	1	-
PARSHALL	SNOWFALL SN ON GND				T T				T T			.3 T	T						.5 1	T													2.0 2	2	2		
PETERSBURG	SNOWFALL SN ON GND					T	T		T			.3 T	.1 T	T T	.2 T																		1.3 1	T 1	1		
PETTIBONE	SNOWFALL SN ON GND										T	T							T														1.0 -	-	-		
PRETTY ROCK	SNOWFALL SN ON GND	T							T									1.5 1															T	3.0 3	T 3	2	
RICHARDTON ABBEY	SNOWFALL SN ON GND		.3		T				T T			T		.2				T	1.2 1	T	T												.5 T	1.9 2	2	2	
RIVERDALE	SNOWFALL SN ON GND								T	T			T		T T			.5 1	1	T													T T	1.0 1	T 1		
SHARON	SNOWFALL SN ON GND								T T		T	1.0 1	1	1	T																			3.0 3	3	3	
STANLEY	SNOWFALL SN ON GND								T		.3 1	1.0 1	1	1	T T	T T		.2 T	T	T														2.0 2	2	2	
VELVA	SNOWFALL SN ON GND				T				T			1.0 1	1	1																				4.0 4	4	4	
WATFORD CITY	SNOWFALL SN ON GND											-							T														-	4	4		
WILLISTON WB CITY	SNOWFALL SN ON GND WTR EQUIV				T				T T		.1 T	.5 T	T T	T T				2.0 2	1	1	T T	T T	T T	T T									.9 2	1.0 2	2	2	2
WILLOW CITY	SNOWFALL SN ON GND								T T		T T	-	2	-	-	2	T	T	T	T	T	T	T	T									-	1	1	1	

MONTHLY EXTREMES

Highest Temperature: 75° on the 25th at Watford City 14 S

Lowest Temperature: -25° on the 29th at Medora 3 NNE

Greatest Total Precipitation: 1.63 inches at Fargo WB Airport

Least Total Precipitation: 0.03 inch at Breien

Greatest one-day Precipitation: 1.62 inches on the 28th at Fargo WB AP

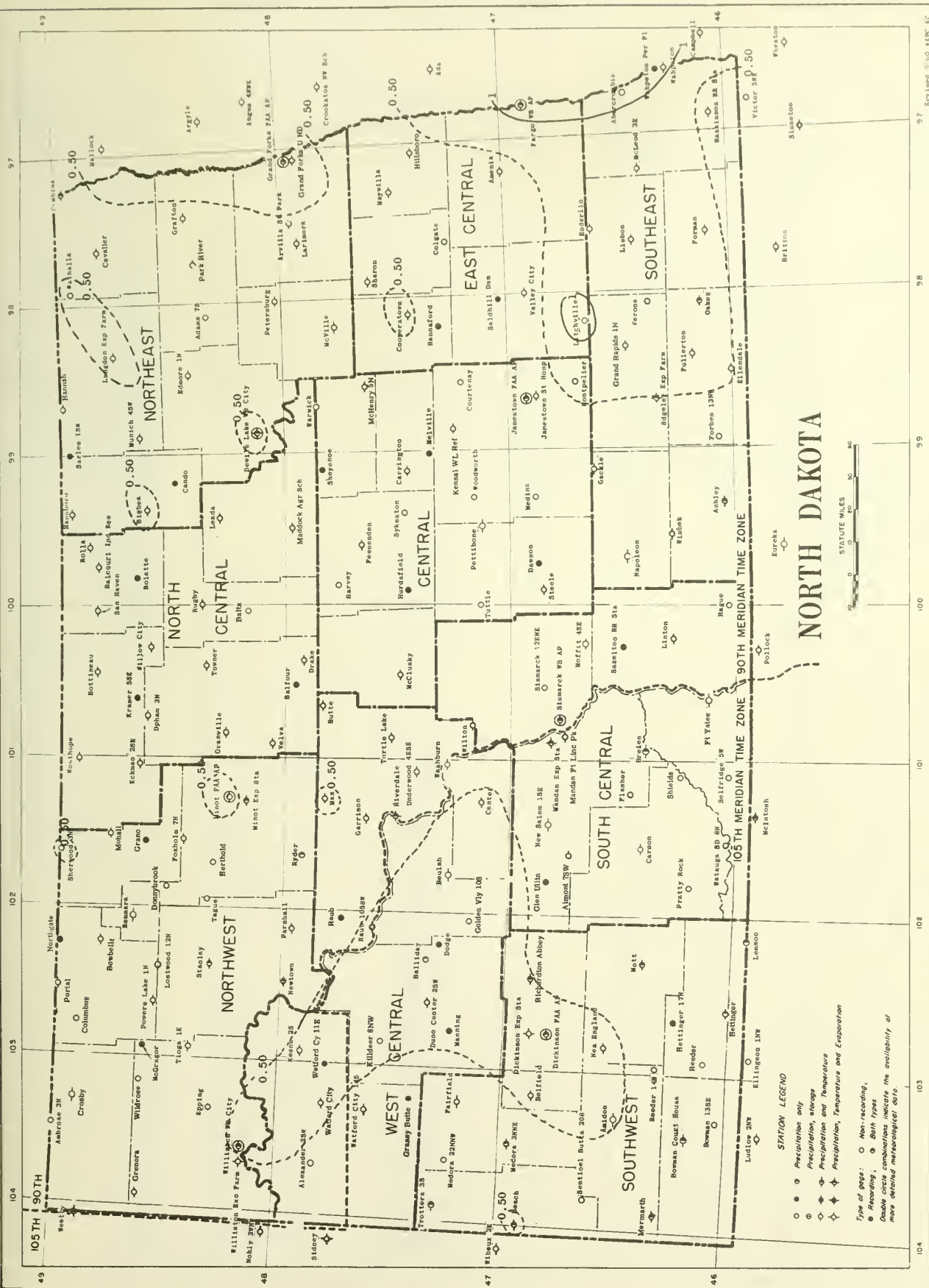
Greatest Total Snowfall: 11.7 inches at Keene 2 S

Deepest Snow on Ground: 11 inches on the 30+ at Fargo WB Airport

See reference notes following Station Index.

TOTAL PRECIPITATION

NOVEMBER 1960



NORTH DAKOTA

STATION LEGEND

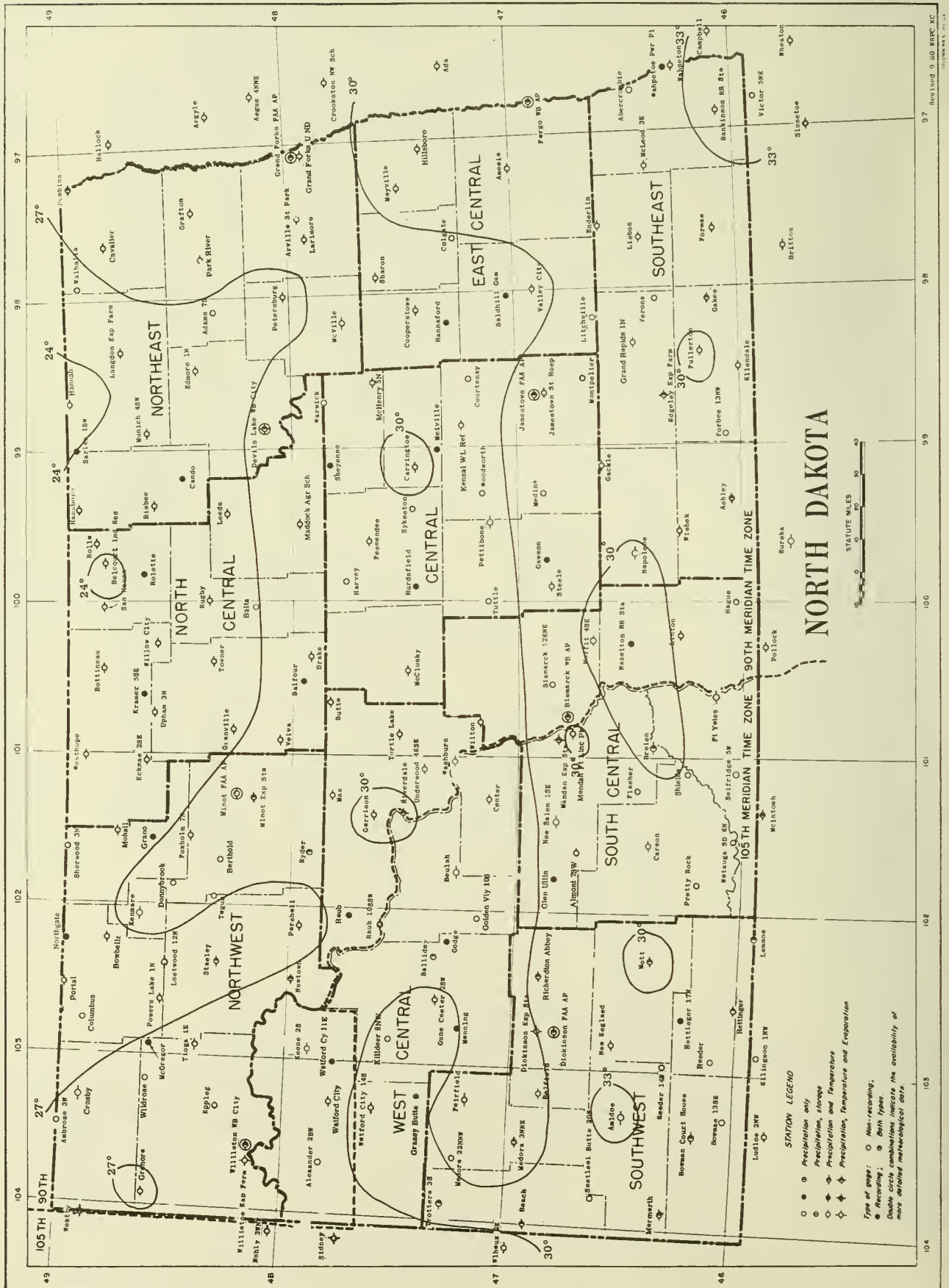
- Precipitation only
- Precipitation, temperature
- ⊙ Precipitation, temperature and evaporation
- ⊕ Precipitation, temperature and evaporation

Type of page: ○ Non-recording,
● Recording, ⊙ Both types.
Double circle combinations indicate the availability of more detailed meteorological data.

ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

NOVEMBER 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

NORTH DAKOTA
NOVEMBER 1960

1. DRAINAGE CODE: 1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMBINA 10. RED 11. SHEYENNE 12. SOURIS 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

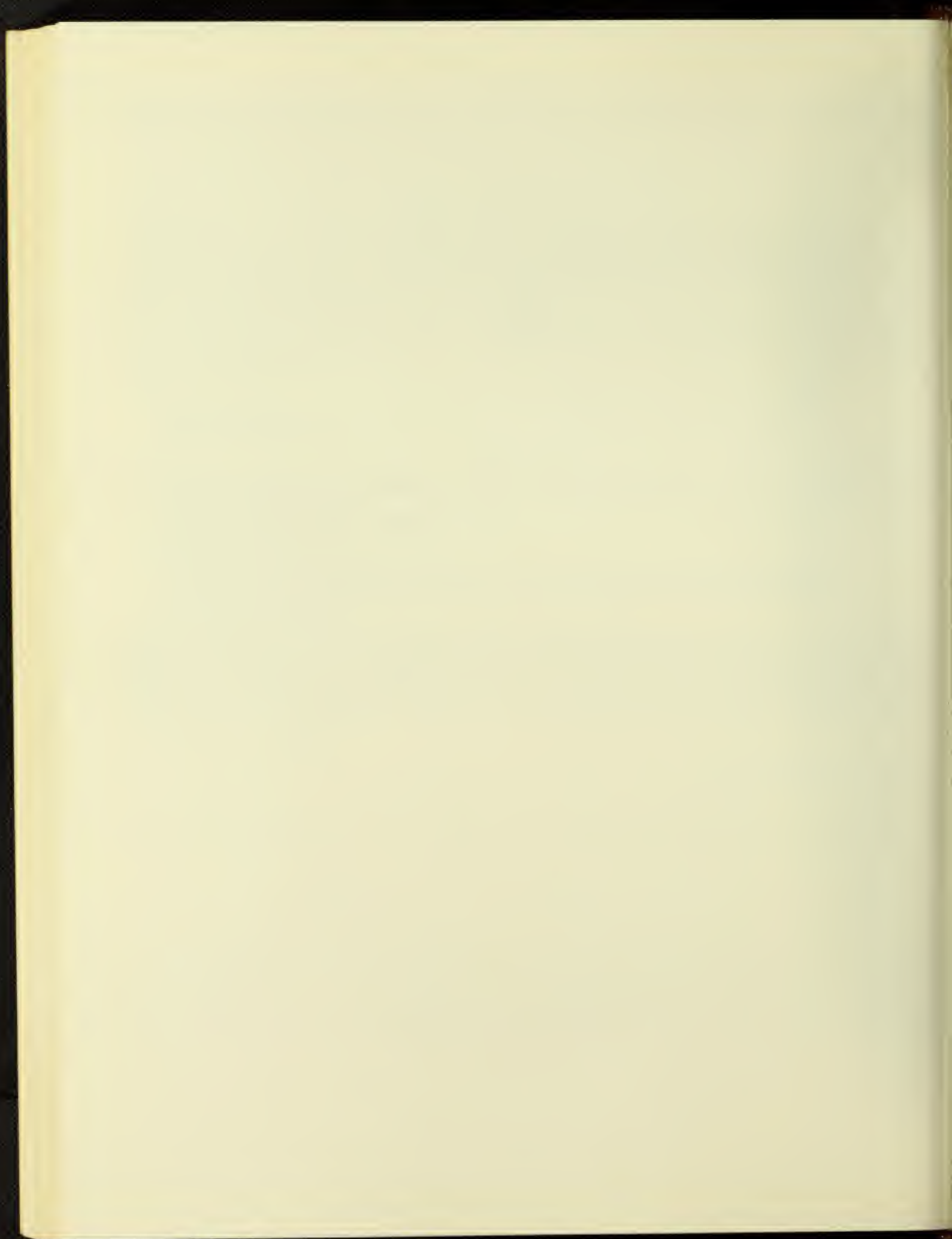
General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---1-4-61---B25





51.05
NNT

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

DECEMBER 1960
Volume 69 No. 12



ASHEVILLE: 1961

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SUPPLEMENTAL DATA

NORTH DAKOTA
DECEMBER 1960

Station	Wind direction		Wind speed m p h.				Relative humidity averages percent				Number of days with precipitation								Percent of possible sunshine	Average sky cover	sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total				
BISMARCK WB AIRPORT	WNW	21	11.4	46++	NW	14	72	72	65	67	13	9	1	1	0	0	24	43	7.5		
DEVILS LAKE WB CITY	NW	-	8.0	31	NW	5	-	82	76	81	12	8	1	1	0	0	22	50	7.1		
FARGO WB AIRPORT	N	21	14.6	49	NE	15+	79	82	75	78	17	5	1	1	0	0	24	39	6.6		
WILLISTON WB CITY	W	-	6.5	24	NW	14	-	79	76	77	10	3	2	0	0	0	15	38	7.5		

++ FASTEST OBSERVED ONE-MINUTE WIND SPEED. THIS STATION IS NOT EQUIPPED WITH AUTOMATIC RECORDING WIND INSTRUMENTS.

CLIMATOLOGICAL DATA

Station	Temperature										Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
																		Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More
										30° or Above	32° or Below	32° or Below	0° or Below										
NORTHWEST DIVISION																							
BOWBELLS	25.4M	3.7M	14.6M		43	14	-17	21	1556	0	20	31	9	.15		.15	15	1.5		1	0	0	
CROSBY	27.0	6.6	16.8	3.0	44	13	-21	21	1489	0	20	31	8	.24	- .17	.19	14	3.3	2	23+	1	0	
FOXHOLM 7 N	27.5M	6.0	16.8M	2.4	46	13	-14	27	1481	0	20	31	8	.30	- .11	.14	26	6.0	4	31+	1	0	
GRENORA	27.7	8.0	17.9		44	13	-25	21	1456	0	20	31	5	.38		.12	25+		4	28+	2	0	
KENMARE	26.8	4.2	15.5		45	14	-15	22+	1530	0	18	31	9	.25	- .21	.10	15				1	0	
LOSTWOOD 12 N	26.0	5.5	15.8		43	13+	-20	21	1523	0	21	31	9	.22		.10	26	8.0	6	29+	1	0	
MINOT FAA AIRPORT	26.7	6.0	16.4		46	13	-15	21	1499	0	20	31	12	.47		.21	14	4.7	4	30+	2	0	
MINOT EXP STATION	//	25.7M	5.5	15.6M		44	24	-20	27	1526	0	20	31	8	.28		.21	26	5.0	7	31+	1	0
MOHALL	25.0	3.2	14.1	1.5	44	13	-19	21	1574	0	22	31	14	.30	- .14	.14	14	4.0	3	31+	2	0	
NEWTOWN	26.9	8.5	17.7	3.1	43	13	-18	22+	1461	0	23	31	6	.25	- .14	.15	25	5.0	4	29+	2	0	
PARSHALL	27.0	5.0	16.0		44	13	-22	27	1511	0	22	31	7	.22	- .06	.10	25	2.4	2	31+	1	0	
PORTAL	25.1M	1.7M	13.4M	1.6	41	14+	-21	21	1602	0	18	31	13	.13	- .31	.09	15	2.0	2	31+	0	0	
POWERS LAKE 1 N	25.7M	5.0M	15.4M		45	13	-29	27	1537	0	21	31		.20		.10	26+	4.0	2	29+	2	0	
STANLEY	26.0	6.8	16.4		44	13	-19	21	1499	0	22	31	7	.19		.06	19	2.2	2	31+	0	0	
TIOGA 1 E	25.1	4.7	14.9		45	14	-22	22+	1546	0	20	31	7	.15		.04	23	1.7	2	31+	0	0	
WILLISTON WB CITY	//R	27.3	10.8	19.1	3.4	45	13	-18	21	1417	0	22	31	4	.45	- .09	.14	19	4.5	4	23+	2	0
WILLISTON EXP FARM		25.8	9.9	17.9		43	13	-21	21	1456	0	25	31	4	.20		.09	14			0	0	
DIVISION			16.1	2.5											.26	- .14	3.9						
NORTH CENTRAL DIVISION																							
BELCOURT INDIAN RES	21.2	-0.4	10.4		40	3	-30	8	1688	0	25	31	15	.63		.17	23	6.5	7	31+	3	0	
ROTTINEAU	21.8	-1.2	10.3	0.1	37	15	-21	27	1690	0	26	31	18	.30	- .10	.14	23	4.3	4	31	1	0	
ORAKE	25.2	2.3	13.8	0.5	43	14	-19	27	1586	0	21	31	14	.95	.58	.70	15		5	31+	3	0	
GRANVILLE	25.7	4.1	14.9	0.9	46	13	-20	27	1546	0	22	31	14	.44	.03	.19	14	5.0	6	31+	3	0	
LEOS	22.1	0.0	11.1		37	14	-31	27	1670	0	27	31	14	.86		.58	5	10.2	8	23	3	0	
MAODOCK AGRI SCHOOL	24.1	0.5	12.3	-0.1	40	14	-30	27	1628	0	25	31	14	1.05	.65	.70	5	12.1			2	0	
ROLLA	21.3	1.5	11.4		39	14	-23	27	1657	0	25	31	15	.64		.28	5	7.3	8	31+	2	0	
RUGBY	23.5	2.4	13.0		39	2	-26	27	1611	0	24	31	12	.64	.11	.25	5	14.2	9	24+	2	0	
SAN HAVEN	23.8	2.6	13.2	1.8	40	13	-22	27	1599	0	23	31	15	.38	- .02	.16	23	4.7	6	31+	1	0	
TOWNER	24.2	2.2	13.2	0.7	45	13	-25	27	1599	0	24	31	14					10					
UPHAM 3 N	24.8	1.2	13.0		43	13	-25	27	1608	0	23	31	15	.33		.13	14	6.0	4	31+	1	0	
VELVA	27.0	6.1	16.6	1.3	44	13	-27	27	1496	0	21	31	7	.58	.12	.19	26	9.0	8	31+	2	0	
WESTHOPE	22.9	0.6	11.8	0.9	41	13	-22	27	1644	0	25	31	15	.37		.10	14	7.0	4	31+	1	0	
WILLOW CITY	23.6	-1.7	11.0	1.0	38	14+	-36	27	1673	0	24	31	15	.29	- .22	.13	23		3	31+	1	0	
DIVISION			12.6	0.8											.57	.11	7.8						
NORTHEAST DIVISION																							
ARVILLA STATE PARK	20.4M	-5.5	7.5M		42	14	-32	27	1778	0	26	31	21	.63				10.5			0	0	
BISBEE	21.5M	0.2M	10.9M		38	14			1674	0	26	31	18	1.67		.94	5	16.9	15	29+	4	0	
CAVALIER	20.1	-1.2	9.5		41	13	-24	8	1715	0	27	31	17	.87		.43	5	10.9	12	31+	3	0	
DEVILS LAKE WB CITY	R	20.5	-0.7	9.9	-1.3	38	14	-25	27+	1704	0	25	31	16	1.21	.73	.86	5	14.6	12	26	2	0
EDMORE 1 N	24.5M	-4.3	10.1M		40	2	-33	27	1609	0	28	31	18	.38		.20	5		3	31+	1	0	
GRAFTON	19.0	-3.5	7.8	-3.5	39	14	-28	8	1774	0	26	31	20	.73	.13			12	31+		0		
GRANO FORKS FAA AIRPORT	R	18.6	-1.1	8.8		37	14	-21	27+	1738	0	28	31	17	.65	.34	5	6.5	6	7+	1	0	
GRANO FORKS UNIVERSITY		18.4	-0.8	8.8	-2.7	36	14	-22	27	1737	0	28	31	16	.65	.03	.46	5	8.0	8	31+	1	0
HANNAH		18.8	-3.7	7.6		38	2	-27	27	1778	0	27	31	19	.61	.19	.28	5	7.1	7	31	2	0
HANSBORO	M		1.5M	M			-24	27		0	27	31	17					8	31+				
LANGOON EXP FARM		18.7	-4.3	7.2	-2.1	37	3+	-28	27	1789	0	27	31	22	1.08	.52	.60	5	10.0	9	31+	3	0
LARIMORE		21.4	-1.1	10.2	-2.3	42	14	-27	27	1697	0	24	31	15	.62	.15	.28	5			2	0	
MC VILLE		21.2	-2.7	9.3		40	14	-32	27	1724	0	24	31	18	.63		.48	5	8.0	7	31+	1	0
MUNICH 4 SW		20.0	-2.9	8.6		35	14	-30	27	1744	0	28	31	17	.27		.08	5	5.0	4	31+	0	0
PARK RIVER		21.6	-0.9	11.3	-0.3	41	3	-21	27	1661	0	24	31	16	.52	.12	.30	15	8.5		2	0	
PEMBINA		17.3	-4.1	6.6		37	4	-27	8	1805	0	29	31	22	.85	.45	.47	5	7.6		2	0	
PETERSBURG		20.6	-1.2	9.7		39	14	-27	27	1712	0	26	31	18	.83	.40	.64	5	8.4	9	31+	1	0
DIVISION			9.0	-1.6											.76	.27	9.4						
WEST CENTRAL DIVISION																							
REULAH	28.3	8.3M	18.3M		47	13	-20	22	1425	0	22	31	6	.06		.03	25				0	0	
BUTTE	26.0	5.0	15.5		44	14	-18	27	1530	0	20	31	11	.38		.21	6				1	0	
CENTER	28.4	6.9	17.7		45	14	-16	8	1465	0	20	31	6	.58		.28	5	5.0	5	8+	3	0	
OUNN CENTER 2 SW	27.1	8.0	17.6	-0.1	45	14	-17	22+	1467	0	20	31	8	.23	- .04	.10	20	4.0	4	31+	1	0	
GARRISON	25.4M	6.3M	15.9M	0.9	44	14	-14	21+	1525	0	31	9	.29	- .15	.14	24				2	0		
KEENE 2 S	27.7	7.7M	17.7M		44	13	-24	21	1468	0	19	31	5	.39		.21	19	6.6	5	29+	1	0	
MAX	24.9	4.6	14.8	1.6	43	14	-16	22+	1551	0	21	31	10	.41	.05	.11	26+	5.6	4	29+	2	0	
RAUR 10 SSW	29.1	11.5	20.3		45	13	-15	21	1379	0	21	31	6	.14		.10	19		4	22+	1	0	
RIVEROALE	//	26.5	6.5	16.5		46	15	-13	1	1500	0	22	31	9	.29	.13	26	3.0	2	31+	1	0	

CLIMATOLOGICAL DATA

NORTH DAKOTA
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continued

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No of Days			
										Max		Min						Total	Max Depth on Ground	Date	10 or More	50 or More	1.00 or More	
										91° or Above	81° or Above	71° or Above	61° or Above											
TURTLE LAKE	26.6	7.0	16.8		45	14+	-16	8	1488	0	22	31	8	.48		.24	5		3	31+	1	0	0	
UNDERWOOD 4 ESE	26.3	6.9	16.6		45	13	-14	21+	1492	0	22	31	8	.41		.22	5				1	0	0	
WASHBURN	27.7M	5.9M	16.8M	- 0.1	44	14+	-15	21	1496	0	20	31	10	.10	-	.22	.08	19			0	0	0	
WATFORD CITY																								
WATFORD CITY 14 S	31.4	10.3	20.9		49	3	-20	21	1361	0	15	31	3	.14		.05	25		4	31+	0	0	0	
WILTON	25.9	4.2	15.1		45	14	-20	21	1544	0	20	31	10	.31		.20	5	9.0			1	0	0	
DIVISION			17.3	1.6										.30	-	.06		5.5						
CENTRAL DIVISION																								
CARRINGTON	22.1	- 0.6	10.8	- 2.0	43	15	-26	8	1680	0	24	31	15	1.05	.64	.60	6	12.5	9	9+	3	1	0	
FESSENDEN	25.2M	3.0M	14.1M	0.9	44	13	-27	27	1565	0	23	31	14	1.45	.92	.93	5	17.0			4	1	0	
JAMESTOWN FAA AIRPORT	22.9	0.5	11.7		42	3	-29	27	1647	0	25	31	15	1.39		1.07	5	15.8	13	27+	2	1	1	
JAMESTOWN STATE HOSP	22.7	2.7	10.7	- 2.3	41	14	-30	27	1613	0	25	31	14	D .87	.39	.38	5	17.7			3	0	0	
KENSAL WILDLIFE REFUGE	24.2	0.7	12.5		41	14	-34	27	1624	0	23	31	16	1.34	.88	.88	5	13.5	11	23	3	1	0	
MC CLUSKY	25.1	4.6	14.9	0.3	41	14+	-17	21+	1549	0	21	31	12	.62	.11	.33	5	5.0	4	8+	2	0	0	
MC HENRY 5 N	21.2	- 2.3	9.5		39	14	-30	27	1720	0	25	31	16	1.00	.83	.83	5	11.2	10	31+	1	1	0	
PETTIBONE	23.3	0.5	11.9	- 1.5	40	14	-26	27	1638	0	23	31	14	.99	.61	.65	5	6.0	7	31+	3	1	0	
STEELE	26.5	5.0	15.8	1.1	44	14+	-23	27	1520	0	20	31	10	.46	.14	.29	5	11.5	8	5	1	0	0	
DIVISION			12.7	- 0.9										1.02	.58			13.0						
EAST CENTRAL DIVISION																								
AMENIA	19.4M	- 0.3M	9.6M		40	14	-22	27	1712	0	26	31	18	.95		.76	5	6.0	8	28+	2	1	0	
COOPERSTOWN	21.3	- 0.9	10.2		40	14	-30	27	1694	0	25	31	17	1.13	.56	.98	5	13.5	15	31+	1	1	0	
FARGO WB AIRPORT	19.8	0.1	10.0	- 2.9	38	14	-31	27	1701	0	30	31	15	1.01	.41	.73	5	3.6	10	1	2	1	0	
HILLSBORO	20.5	0.5	10.5	- 2.5	38	14	-22	27	1686	0	25	31	16	.72	.15	.57	5				1	1	0	
MAYVILLE	20.0	0.8	10.4	- 3.1	40	14	-27	27	1690	0	26	31	16	.55	.06	.33	5	4.4	6	8+	1	0	0	
SHARON	20.0	0.0	10.0	- 1.7	38	14	-26	27	1701	0	26	31	16	.55	.03	.45	5	6.0	7	31+	1	0	0	
VALLEY CITY	22.2	- 0.2	11.0	- 4.4	41	14	-31	27	1670	0	26	31	14	.99	.48	.70	5	7.7	11	6+	2	1	0	
DIVISION			10.2	- 2.8										.84	.31			6.9						
SOUTHWEST DIVISION																								
AMIDON	29.9M	8.2M	19.1M		44	15+	-21	21	1436	0	18	31	6	.70		.23	25		3	22+	2	0	0	
BEACH	28.9	8.2	18.6		48	14	-24	21	1435	0	16	31	4	.25		.06	26	4.5	8	31+	0	0	0	
BELFIELD	28.0M	11.4M	19.7M		46	13	-20	21	1400	0	19	31	3	.29		.12	25		8	31+	1	0	0	
BOWMAN COURT HOUSE	28.7M	11.3M	20.0M	- 1.2	49	13	-17	21	1389	0	19	31	3	.22		.27	19				1	0	0	
DICKINSON FAA AIRPORT	28.2	11.2	20.0		45	13	-19	21	1490	0	18	31	6	.14	-	.18	.10	19		6	31+	1	0	0
DICKINSON EXP STATION	27.2	6.4	16.8	- 0.7	44	14	-20	21	1424	0	19	31	6	.31		.20	19	7.0	6	31+	1	0	0	
FAIRFIELD	27.5	10.3	18.9		45	13	-20	21	1366	0	16	31	4	.16	-	.07	.06	25+	2	31+	0	0	0	
HETTINGER	31.8M	10.1M	21.0M	- 0.3	53	13	-25	21	1459	0	16	31	7	.38	.00	.23	19		6	22+	1	0	0	
MARMARTH	30.6	4.8	17.7	- 2.9	49	14	-25	21	1470	0	20	31	7	.63		.31	19	6.5	7	26+	3	0	0	
MEDORA 3 NNE	29.9M	4.9	17.4M		50	13	-33	21	1470	0	20	31	7	.63		.70	25		6	29+	1	1	0	
MOTT	30.3	6.5	18.4	- 1.4	52	13	-21	21	1441	0	18	31	5	.77	.47	.31	19	6.5	7	26+	3	0	0	
NEW ENGLAND	29.6	10.0	19.8	- 0.1	46	13	-19	21	1394	0	18	31	4	.49	.11	.16	19	5.1	4	22+	1	0	0	
RICHARDTON ABBEY	29.0	11.8	20.4	1.2	45	14+	-18	21	1378	0	17	31	3	.33	-	.03	.15	19	4	31+	0	0	0	
TROTTERS 3 S	29.4	11.0	20.2		49	12	-21	21	1384	0	18	30	3	.24		.07	25+	3.9	4	31+	0	0	0	
DIVISION			19.1	- 0.7										.38	.06			5.2						
SOUTH CENTRAL DIVISION																								
ALMONT 7 SW	28.7	10.9	19.8		50	14	-15	21	1395	0	20	31	5	.23		.08	25+		4	28+	0	0	0	
BISMARCK WB AIRPORT	27.3	6.4	16.9	1.4	48	14	-19	8	1488	0	23	31	8	.89	.49	.57	5	11.9	5	21+	2	1	0	
BREIEN	29.2M	6.2	17.7M		51	14	-16	8	1468	0	18	31	8	D .35		.17	19	12.0	9	29+	2	0	0	
CARSON	28.3	6.9	17.6	- 1.0	53	15	-20	21	1461	0	19	31	7	.43	.08	.15	19				3	0	0	
FORT YATES	27.8M	4.9	16.4M	- 2.7	48	15+	-15	21	1485	0	22	31	11	D .82	.57	.46	5	8.7			3	0	0	
LINTON	27.7	4.6	16.2	- 0.6	44	14	-24	21	1508	0	18	31	8	1.13	.82	.59	5	10.0	9	31+	3	1	0	
MANDAN EXP STATION	26.7	5.1	15.9	- 0.3	48	15	-16	21	1517	0	21	31	10	.23	-	.09	5	8.3	4	23+	0	0	0	
MANDAN FT LINCOLN PARK	28.4M	3.9M	16.2M		52	14	-21	21+	1509	0	21	31	7	.40		.24	5	9.0	5	22+	2	0	0	
MOFFIT 4 SE	27.1	5.2	16.2		48	14	-26	8	1508	0	18	31	9	.70		.56	5	6.5	4	12+	1	1	0	
NEW SALEM 1 SE	28.1	9.2	18.7	1.1	47	14	-18	21	1430	0	19	31	5	.48	.18	.15	19+	7.6	3	28+	2	0	0	
DIVISION			17.2	- 0.5										.57	.25			9.3						
SOUTHEAST DIVISION																								
ASHLEY	24.1	2.8	13.5	- 2.1	42	14	-21	27	1594	0	22	31	11	.65	.37	.49	5	10.5	10	31+	2	0	0	
EDGELEY EXP FARM	23.7M	1.0M	12.4M	- 2.7	43	15+	-23	27	1625	0	24	31	14	.53	.19	.43	5	6.0	10	31+	1	0	0	
ELLENDALE	24.5	4.4	14.5	- 1.8	48	14	-22	8	1563	0	24	31	11	.70	.19	.40	5	8.1	12	8+	3	0	0	
ENDERLIN	20.0	1.2	9.4		40	15	-25	27	1723	0	28	31	14	1.15		1.15	5	5.0	13	31+	1	1	1	
FORMAN	22.3	3.8M	13.1M		40	14	-23	27	1587	0	25	31	13	.86	.34	.78	5				1	1	0	
FULLERTON	20.4	0.2	10.3	- 6.2	44	14	-23	27	1695	0	27	31	15	.66	-	.58	5		8	13+	1	1	0	
GACKLE	23.6	4.1	13.9		42	2	-24	8	1581	0	22	31	13	.88	.12	.76	5		7	13+	1	1	0	
GRAND RAPIDS 1 N	23.4	0.0	11.7	- 3.9	44	15	-22	28+	1645	0	24	31	15											
HANKINSON R R STATION	23.1	1.2	12.2	- 3.0	40	15+	-31	27	1634	0	25	31	12	.80	.29	.52	5	7.2	11	27+	2	1	0	

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See reference notes following Station Index.

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Continued

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Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
POWERS LAKE 1 N	.20					T	T								.10		T	T	T	T	T													
PUTTY ROCK	.70					.06					T					T	T	T			.10	T												
ALB 10 SSW	.14									T					.04						.24	T												
FEEDER 14 N	.42																				.02	T												
FEEDER 14 N	.11								T												.02	T	T											
ICHARDSON ARBEY	.33						T	T					.03			.01	T	T	T	.15	.07						.07	T	T					
LIVERDALE	.29					.04	T	T	T							.03	T	T	T	.03	.03	T					.03	.13	T					
GULLA	.04					.28	T	.04	T						.05	.01	T	T	T					.02	.14		.02	.04				T	.04	
UGBY	.04					.24	T	T							.06	.09	T	T	T	.01	.01			.02	.11		.05	.05	.01	T		T		
YOER	.27							.02			T	T				.10				T			.05	T			.10	T						
AN HAVEN	.38					.09	T		.02						.02	.03			.02	T							.16		.02	.02		T	T	
ELFRIDGE 5 W		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SENTINEL BUTTE 20 S	.23																				.08	.06					.09							
SHARON	.55				T	.45			.01		T							T	T							.02		.07			T	T		
HERWOOD 1 N	.47					.08					T					.20	.06	T			T				.03		.08	.02						
WHEELS	.21					.07															.14	T												
TANLEY	.19					.29	T								.02		T		T	T		.04	.01		.01		.05	.04		T				
TELEF	.46						.29	T				T		.02			T		T	T		.04	.02	T		.03		.02	.04					
YKESTON	.54				T		.40	.10								.04	T											T	T		T			
AGUS	.55						T					T				.08	.05				.15							.02	.25		T			
LOGA 1 E	.15						T		T							.02	T	T		.01	.03				.04		.02	.03		T	T	T		
OWNER																	.16								.09		.04	.05		.05				
ROTTERS 3 S	.24								T	T							T		.01		.07	.06			.02	.01		.07						
MURLE LAKE	.48					.24	.03													.09	.01			.02	.01		.06	.04						
MURLE						.20	T								T		.03				.09				.10	-		-	-	-	-	-		
INERWOOD 4 ESE	.41					.22													.01		.05	.02				.01		.06	.04					
INERWOOD 3 N	.33					.04	T			T						.13	.02	.09								T	.03	.02		T	T			
VALLEY CITY	.99					.70										.08												.05						
VALLEY	.98					.10						T	T			.08	.07				T		T				.06	.19		T				
VERONA	.58					.58										.07		T										.19						
WAHPETON	.88					.67																												
VALMALLA	.91					.55			.08							.06												.07						
WARWICK	.09					.96	T									.04	T	T					T	T	.04			T	.05	T	T	T		
WASHBURN	.10																				.08			T	T									
WATAUGA 5 DAKOTA 8 N	.82					.28	T						.26	T							.18							.10	T					
WATFORD CITY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WATFORD CITY 14 S	.34										T					.10		.02					.03		.04			.05			T			
WESTHOPE	.37					.04	T									.15		.05	T								.04		.07		T	T	T	
WILOROSE	.20						T							T		.12			T	T	T										T	T		
WILLISTON NB CITY	.45						T														.14	.06			.05		.08	T	T		T	T		
WILLISTON EXP FARM	.20						T									.09					.02	.01					.08							
WILLOW CITY	.29					.02	T									.08			T						T	.13		.02	T				.02	
WILTON	.31						.20														.02						.03							
WISHEK	01.00					.40							T								.06													
WISHEK		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30					.02							0.10	
WISHEK		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

See reference notes following Station Index.

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DAILY TEMPERATURES

NORTH DAKOTA
DECEMBER 1960

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	MAX MIN	32 0	40 18	40 22	37 20	32 11	26 8	29 11	20 -2	41 13	31 11	15 13	27 13	49 25	50 30	31 8	28 4	23 10	23 12	16 6	7 -9	-3 -15	5 -7	35 4	43 20	35 20	31 4	21 2	26 20	33 17	36 29	32 20	28.7 10.9	
AMENIA	MAX MIN	10 -14	25 -2	34 9	30 15	31 12	13 5	21 -2	-1 -16	33 -6	28 0	16 -2	11 -9	29 4	40 11	36 11	20 5	25 5	16 -2	11 -5	6 -6	0 -10	3 -5	12 -9			14 -2	0 -22	24 -4	25 15	34 26	36 15	18 25	19.4 -0.3
AMIOON	MAX MIN	24 5	40 20	41 26	44 -2	42 5	10 -5	32 10	30 10	30 12		29 8	32 10	44 26	43 26	40 10	25 10	24 9	24 10	23 7	14 -7	13 -21	6 -20	34 -11	37 25	37 20	35 20	23 15	23 15	26 14	36 25	31 25	29.9 8.2	
ARVILLA STATE PARK	MAX MIN	22 -14	32 5	35 9	32 10	26 9	15 -3	19 -10	7 -30	-8	-6	11 -10	9 -21	32 0	42 5	35 5	17 5	24 3	22 -3	11 -6	0 -17	2 -12	12 -15	31 0	33 6	12 -11	15 -32	29 10	25 -3	22 -8	18 -16	20.4 -5.5		
ASHLEY	MAX MIN	26 -8	41 6	40 15	33 17	30 14	18 8	26 1	7 -20	27 5	23 9	19 6	18 5	34 2	42 20	37 8	27 10	22 19	11 -6	8 -8	-4 -17	3 -8	35 -17	35 -8	25 12	25 6	5 -1	21 -21	20 0	28 11	34 23	32 10	24.1 2.8	
BEACH	MAX MIN	17 2	41 15	46 20	43 14	38 8	11 5	29 5	32 15	34 5	39 9	20 6	29 5	42 9	48 29	42 9	23 11	27 5	19 3	22 14	1 -24	-3 -14	34 -13	40 21	41 18	33 18	22 18	24 11	24 15	35 21	38 10	28.9 8.2		
BELCOURT INDIAN RES	MAX MIN	23 -3	33 9	40 12	36 10	30 8	12 1	17 -7	5 -30	32 5	20 -8	14 -5	17 -13	36 14	37 19	25 5	19 5	20 15	15 5	9 -17	2 -11	3 -10	6 -8	23 4	37 10	28 14	17 -14	17 -17	19 7	23 12	29 -4	14 -9	21.2 -0.4	
BELFIELD	MAX MIN	38 8	42 18	38 14	36 16	28 9	27 5	32 19	26 12	37 19	19 14	17 8	32 8	46 29	40 23	25 16	22 16	24 4	17 9	-2 -10	8 -20	-2 -11	4 21	35 26	26 10	23 4	35 16	26 16	23 16	35 21	36 28	28.0 11.4		
BEULAH	MAX MIN	31 0	29 4	38 11	31 8	31 14	26 9	30 10	23 -5	40 15	26 9	17 9	31 15	47 15	45 25	30 15	29 16	25 11	23 11	16 8	0 -9	5 -20	37 4	43 10	33 22	32 4	30 0	27 2	33 4	38 25	32 10	28.3 8.3		
BISBEE	MAX MIN	25 -5	34 20	36 15	34 18	28 11	18 -7	10 -20	28 -5	19 -5	35 -5	38 -2	26 -11	35 7	38 17	26 3	19 3	22 3	17 -2	5 -10	0 -11	2 -15	5 -8	22 -1	30 12	25 -18	20 -25	19 10	23 13	30 0	15 -8	21.5 0.2		
BISMARCK WB AIRPORT	MAX MIN	27 -3	30 3	34 10	32 12	30 15	29 13	28 9	13 -19	38 15	23 6	16 9	20 12	44 10	48 16	27 15	32 19	26 12	25 7	14 -2	5 -10	4 -15	10 1	38 10	45 20	26 30	31 17	29 14	35 23	39 13	31 27	27.3 6.4		
BOTTINEAU	MAX MIN	14 -15	26 7	35 12	34 13	33 16	17 1	19 -5	9 -19	23 -12	32 -4	26 -3	19 -4	27 4	36 16	37 -3	21 3	24 14	21 -6	9 -14	13 -10	2 -17	1 -6	13 8	32 11	22 4	7 -4	21 -6	19 9	30 18	23 4	21.8 -1.2		
BOWBELLS	MAX MIN	18 -12	35 13	40 16	41 18	39 16	20 4	26 2	10 -2	31 0	34 10	19 4	15 3	33 13	43 24	39 3	24 3	23 15	18 1	9 -11	8 -12	-5 -16	3 -10	35 14	37 12		-12 8	23 14	25 22	34 5	33 3	25.4 3.7		
BOWMAN COURT HOUSE	MAX MIN	40 17	44 23	43 9	37 7			33 12	23 15	39 15	20 8	28 9	42 8	49 29	43 11	28 5	22 5	19 5	21 12	19 5	14 -2	10 -2	7 -2	44 24	38 20	25 3	23 23	24 18	38 20	23 12	28.7 11.3			
BREIEN	MAX MIN	28 -12	31 0	39 8	35 9	33 9	26 13	31 15	15 -12	42 3	30 12	18 14	22 15	50 12	51 18	36 12	30 10	28 12	25 13	18 10	12 -3	15 -11	0 -11	38 45	42 6	26 16	16 2	7 -1	26 12	34 5	38 25	29.2 6.2		
BUTTE	MAX MIN	17 -9	27 9	37 17	39 21	37 19	22 11	28 6	8 -13	25 -10	39 3	18 2	17 0	34 15	44 27	43 7	25 6	27 11	24 3	15 -5	10 -5	0 -12	3 -10	30 16	40 16	40 16	26 4	-18 0	28 0	28 19	35 20	38 5	26.0 5.0	
CARRINGTON	MAX MIN	17 -7	29 2	36 10	37 13	31 18	20 2	25 -2	-26 -25	35 -7	12 -2	12 -13	24 -6	42 5	43 22	20 5	25 18	18 0	11 -10	9 -4	0 -13	3 -12	9 -5	28 9	36 8	21 5	-23 -23	18 18	27 19	29 -4	33 -4	22.1 -0.6		
CARSON	MAX MIN	14 -2	32 11	43 15	42 13	36 15	16 7	29 9	24 -8	25 -6	42 -3	20 12	16 11	34 12	50 25	53 25	28 5	23 3	25 10	14 -8	4 -20	-2 -14	34 6	44 19	30 19	21 19	22 13	26 3	35 13	36 25	28.3 6.9			
CAVALIER	MAX MIN	27 -4	31 8	33 18	32 15	25 9	10 -5	12 -8	5 -24	34 -1	27 -7	14 -16	11 -11	41 7	39 14	25 8	18 7	27 8	21 -11	3 -10	0 -10	-8 -5	6 -10	11 -5	32 41	28 -6	12 -8	16 3	24 16	25 6	26 3	7 -5	20.1 -1.2	
CENTER	MAX MIN	28 -4	34 3	38 8	34 8	32 14	27 10	38 10	18 -16	40 10	32 10	8 5	11 11	44 14	45 28	32 10	29 13	23 5	22 5	18 8	9 -5	-2 -15	4 -7	35 1	42 9	37 20	30 4	-5 -5	8 23	32 25	35 16	28.4 6.9		
COOPERSTOWN	MAX MIN	19 -9	32 9	39 14	34 15	31 9	16 5	22 -8	-4 -24	33 -6	25 -3	14 -8	10 -13	37 4	40 18	36 8	20 3	24 3	20 -11	1 -8	1 -13	0 -10	4 -20	32 30	30 12	14 -5	-30 -30	25 1	23 13	31 12	21.3 -0.9			
CROSBY	MAX MIN	30 8	36 15	39 17	39 13	28 12	27 0	27 3	23 -11	37 12	26 12	19 12	30 12	44 23	35 23	25 17	26 17	25 10	14 -3	9 -13	0 -21	6 -11	37 -11	40 14	35 21	27 18	25 -10	24 10	36 15	34 21	30 4	27.0 6.6		
DEVILS LAKE WB CITY	MAX MIN	28 -2	37 12	37 17	30 13	22 7	19 0	17 -17	-24 -8	33 8	8 -7	15 -8	33 -11	36 19	38 14	14 3	19 9	23 8	10 -6	-10 -11	-14 -14	-7 -7	2 2	40 14	18 11	-25 -25	25 11	29 15	32 -5	20 -12	20.5 -0.7			
DICKINSON FAA AIRPORT	MAX MIN	41 -9	43 19	43 21	36 19	26 8	28 4	29 13	19 18	39 18	20 17	35 10	45 30	43 19	23 19	26 10	22 7	25 13	16 3	-2 -16	3 -17	2 -21	34 21	36 21	32 22	6 5	18 23	34 19	36 19	32 12	28.7 11.2			
DICKINSON EXP STATION	MAX MIN	15 -16	35 5	37 9	41 10	33 11	13 0	29 4	26 10	26 9	39 10	21 8	18 9	33 9	44 28	43 8	24 8	25 8	22 6	22 10	14 -8	2 -19	3 -16	33 -11	35 12	43 23	32 14	15 4	24 9	25 15	35 22	27.2 6.4		
DRAKE	MAX MIN	14 -15	28 1	38 14	40 17	35 18	22 5	27 -1	7 -16	27 -15	38 -4	13 -2	16 -6	44 14	43 25	41 5	24 5	28 17	15 -5	10 -6	-2 -16	5 -13	25 -2	11 11	35 13	27 13	-19 -10	26 19	20 20	34 3	35 3	25.2 2.3		
OUNN CENTER 2 SW	MAX MIN	13 -8	35 10	36 18	41 13	31 13	31 9	26 5	28 9	31 9	36 12	20 14	20 14	34 14	45 29	42 10	20 20	27 13	23 10	13 -2	17 -17	0 -17	29 -17	40 18	43 20	32 12	12 0	26 0	26 15	36 26	38 14	27.1 8.0		
EOGELEY EXP FARM	MAX MIN	12 -9	21 -10	35 12	43 18	31 20	23 7	23 -6	10 -21	23 -21	34 4	10 -2	10 -12	30 -10	40 27	43 10	22 8	20 8	30 8	17 -7	5 -4	5 -11	14 -4	30 11	20 10	17 -23	20 -19	27 20	34 21	41				

DAILY TEMPERATURES

NORTH DAKOTA
DECEMBER 1960

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX MIN	1.13	31.20	38	37.17	34	1	27.10	15.14	6	38.9	11.1	15.2	28.15	44.30	4	7.26	13.12	19.3	10	1	3	4	15	18	10	15	15	15	15	15	15	15
GRAFTON	MAX MIN	22.27	38.14	33	33.15	26.10	11.3	9.7	4.28	15.5	23.14	8	34.17	39.5	26.11	6	18.3	14.4	12.3	11.1	1	2	4.12	31.3	14.11	13.9	27.26	11.0	8.9	19.25	9.19	40.343	
GRAND FORKS FAA AIRPORT	MAX MIN	18.28	37.10	33	28.13	31.6	16.3	14.10	33.17	21.8	9.14	13.6	31.13	37.16	19.2	17.2	16.6	5.10	3.9	2	2	10.29	17.6	11.11	14.19	28.27	30.7	13.5	18.18.6				
GRAND FORKS UNIVERSITY	MAX MIN	18.28	37.10	33	28.13	31.6	16.3	14.10	33.17	21.8	9.14	13.6	31.13	37.16	19.2	17.2	16.6	5.10	3.9	2	2	10.29	17.6	11.11	14.19	28.27	30.7	13.5	18.18.4				
GRAND RAPIDS 1 N	MAX MIN	21.30	37.15	33	31.14	31.18	26.3	14.26	1.34	26.12	12.7	38.8	43.11	36.8	26.8	18.8	10.6	2.6	29.32	30.18	8	29.28	36.29	23.52	0.14	23.2	2	23.50.3					
GRANVILLE	MAX MIN	32.35	39.2	38.18	33.12	27.12	24.10	16.37	27.2	11.27	46.21	51.21	48.5	28.14	27.7	23.15	10.1	1.2	10.37	41.2	10.37	41.2	10.37	41.2	10.37	41.2	10.37	41.2	10.37	41.2	10.37	41.2	
GRENORA	MAX MIN	32.34	40.9	35.19	39.8	16.8	26.4	28.3	15.2	25.31	31.44	38.15	44.26	38.15	25.15	26.11	24.9	13.1	1.15	25.16	38.17	20.4	31.27	36.27	36.27	36.27	36.27	36.27	36.27	36.27	36.27		
HANKINSON R R STATION	MAX MIN	15.31	32.15	32.7	34.17	33.22	26.8	16.8	25.14	38.5	18.20	25.7	19.6	41.11	44.13	22.7	16.6	11.6	4.10	5.20	31.10	22.6	12.22	19.26	34.35	23.40	0	14	23	2	0.4		
MANNAH	MAX MIN	27.38	38.0	35.12	30.10	25.5	14.4	14.26	5.5	7.31	17.13	14.11	34.9	37.2	24.1	16.2	2.4	1.4	14.30	19.11	16.18	27.3	5.4	10.18	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	
HANSBORO	MAX MIN	35.35	32.13	32.12	31.20	9	2	4	18.6	35.6	31.7	12.3	26.5	15.11	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	10.10	
METTINGER	MAX MIN	39.49	45.8	45.19	43.24	34.28	34.9	12.43	30.9	23.9	36.9	53.28	52.26	28.10	28.10	23.7	24.9	18.10	2.10	10.19	14.10	19.19	24.7	1	8	19.20	14.10	10.1	10.1	10.1	10.1	10.1	
MILLSBORO	MAX MIN	19.27	34.12	34.11	28.17	32.13	18.4	17.6	3.1	35.8	28.15	7.3	35.16	38.11	36.10	28.5	6.6	5.6	10.10	3.11	26.6	19.9	3.25	25.8	13.1	20.5	0.5	0.5	0.5	0.5	0.5	0.5	
JAMESTOWN FAA AIRPORT	MAX MIN	22.34	42.11	42.7	32.12	27.10	25.5	15.23	32.16	10.16	16.6	38.16	41.20	26.15	25.7	18.8	8.3	3.3	6.28	34.11	19.16	14.27	30.20	2.22	22.9	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
JAMESTOWN STATE HOSP	MAX MIN	20.32	39.9	39.15	31.20	31.14	18.5	26.5	34.1	1.17	24.10	38.41	31.7	25.10	24.17	18.3	8.3	2.6	5.28	35.13	16.2	9.21	20.20	1	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	
KEENE 2 S	MAX MIN	43.35	38.8	35.19	37.18	28.8	26.0	27.3	29.12	14.12	38.14	44.21	36.18	42.21	26.10	18.10	14.4	4.10	8.24	15.4	3.21	22.12	22.10	10.10	27.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	
KENMARE	MAX MIN	16.35	43.12	43.20	42.13	43.15	6	28.10	32.5	10.3	37.9	52.12	27.3	45.1	25.3	17.1	8.11	15.2	0.37	36.17	31.22	31.10	25.5	10.13	26.8	4.2	4.2	4.2	4.2	4.2	4.2	4.2	
KENSAL WILDLIFE REFUGE	MAX MIN	29.37	39.8	37.13	31.14	31.17	25.12	4.35	31.0	7.17	13.13	40.7	41.25	35.1	24.18	25.1	12.5	3.7	6.28	35.10	32.19	10.6	26.25	33.17	24.2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
LANGDON EXP FARM	MAX MIN	25.37	37.2	37.14	32.15	30.7	13.5	11.12	0.32	21.13	11.34	35.8	35.13	25.0	20.1	13.3	3.0	0.1	4.18	28.8	26.10	11.10	21.5	19.12	18.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	
LARIMORE	MAX MIN	22.36	39.8	39.14	30.17	30.16	16.20	0.36	1.5	4.13	38.12	42.17	26.5	28.4	26.4	4.3	8.10	12.5	13.35	31.12	12.27	8.2	5.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	
LEEOS	MAX MIN	25.36	35.1	36.17	29.10	28.12	17.12	17.32	22.14	19.5	36.18	37.25	33.18	25.3	22.7	16.3	13.9	5.10	6.26	28.13	30.18	24.11	32.8	6.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	
LINTON	MAX MIN	29.38	39.7	39.10	39.12	34.15	12.8	18.9	20.10	10.30	20.40	44.9	36.8	39.6	25.6	22.4	20.5	10.0	0.38	40.14	38.8	28.14	10.18	20.4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
LISBON	MAX MIN	25.33	36.12	36.15	35.15	35.16	17.16	5.28	3.9	5.16	32.40	40.30	40.20	23.4	26.4	10.2	15.9	5.5	5.24	27.10	26.18	8.22	26.20	29.1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
LOSTWOOD 12 N	MAX MIN	32.40	43.6	43.12	43.12	43.22	22.10	14.36	30.1	2.2	43.38	24.11	24.7	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	24.11	
MAODOCK AGRI SCHOOL	MAX MIN	27.36	36.0	36.17	31.10	28.12	18.24	22.34	27.6	1.19	18.19	39.14	40.19	30.1	25.7	22.10	18.13	8.5	4.29	36.10	32.17	13.5	26.27	31.21	24.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
MANDAN EXP STATION	MAX MIN	9.27	30.14	30.5	38.14	33.15	21.12	15.14	29.16	23.12	41.16	17.28	47.13	48.21	26.12	29.24	23.12	3.35	37.44	29.17	25.27	35.37	26.7	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	
MANDAN FT LINCOLN PARK	MAX MIN	28.31	40.5	40.11	38.10	32.11	22.8	14.42	30.8	21.6	48.52	26.10	31.4	29.6	26.17	23.8	17.8	2.7	9.40	48.35	30.14	30.34	33.8	28.4	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	
MARMARTH	MAX MIN	19.37	39.2	39.6	41.5	34.9	12.30	35.30	44.2	1.2	46.49	45.2	46.16	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	44.12	
MAX	MAX MIN	16.26	35.13	35.13	41.13	35.13	19.9	27.12	10.21	37.16	15.24	43.40	24.5	25.5	25.14	3.3	4.3	16.16	1.35	36.20	28.7	26.31	35.4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
MAYVILLE	MAX MIN	22.28	38.11	38.13	31.16	31.9	5.20	1.34	25.13	9.9	36.5	40.20	36.8	19.6	26.8	22.6	9.1	1.2	11.28	21.12	10.27	10.16	20.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
MC CLUSKY	MAX MIN	25.35	38.12	38.15	35.12	32.17	10.27	10.36	25.14	18.2	5.41	27.15	22.5	26.12	18.13	1.6	0.3	5.35	39.34	23.18	26.29	36.24	25.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	
MC HENRY 5 N	MAX MIN	28.35	38.7	38.14	31.15	30.8	16.10	22.26	2.7	10.17	36.17	39.3	29.1	21.1	18.5	1.0	0.15	12.15	2.21	34.12	11.30	33.10	27.12	21.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	
MC LEOO 3 E	MAX MIN	27.30	35.17	35.13	28.16	30.16	25.120	0.27	25.12	14.12	30.3	35.4	34.17	34.1	23.8	24.3	10.8	2.9	7.15	28.14	26.4	22.19	21.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
MC VILLE	MAX MIN	21.35	38.18	38.16	33.14	33.8	1.19	1.33	23.14	11.37	40.6	16.3	28.2	21.2	18.2	2.15	18.7	2.0	4.20	34.29	12.9	28.31	21.21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	
MEDORA 3 NNE	MAX MIN	32.36	40.5	40.2	30.3	30.28	32.21	32.43	20.2	23.36	50.16	43.9	28.16	20.5	25.19	10.1	1.33	9.39	46.35	32.26	12.10	25.26	37.40	32.4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	
MINOT FAA AIRPORT	MAX MIN	31.38	44.9	44.22	34.21	24.28	24.11	19.33	19.14	33.3	46.26	42.5	26.16	9.2	16.9	1.5	5.10	15.2	4.6	10.19	19.8	11.16	25.10	26.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	
MINOT EXP STATION	MAX MIN	14.29	39.12	39.15	40.18	36.18	21.8	8.30	38.5	10.6	33.18	19.6	31.43	25.17	22.6	15.9	1.14	4.36	44.39	28.12	26.20	33.15	35.5	25.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
MOFFIT 4 SE	MAX MIN	27.37	36.8	36.4	34.16	34.20	29.6	34.26	28.17	20.8	42.48	35.21	26.11	15.8	25.9	18.3	9.1	1.17	4.36	41.38	28.15	24.34	33.27.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1		
MOHALL	MAX MIN	36.32	40.4	40.10	34.12	32.14	27.3	13.16	25.6	3.1	25.15	27.44	40.21	25.14	19.3	14.4	3.7	1.3	5.37	38.31	24.24	34.24	30.6	25.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	
MOTT	MAX MIN	40.46	46.2	46.13	37.13	35.9	30.17	22.6	29.31	22.7	29.11	32.52	51.17	30.16	22.12	22.20	9.0	0.10	9.37	45.34	24.23	24.34	37.30	30.3	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	

See reference notes following Station Index.

Continued

DAILY TEMPERATURES

NORTH DAKOTA
DECEMBER 1960

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICH 4 SW	MAX MIN	29 -11	33 13	34 12	29 13	29 6	14 -3	16 -13	10 -26	30 2	20 -10	14 -6	14 -11	32 11	35 12	25 2	18 2	20 3	18 -5	10 -13	4 -12	0 -16	2 -12	14 -9	29 10	20 9	13 -18	19 -30	22 12	21 6	29 -1	18 -6	20.0 -2.9
NAPOLEON	MAX MIN	28 -5	41 8	39 17	33 14	32 16	17 10	27 0	11 -17	30 7	23 0	19 -1	18 13	37 13	45 18	34 7	27 14	23 7	28 14	11 -7	6 -7	-4 -18	3 -7	35 -8	37 10	35 15	25 2	12 -24	23 3	30 17	34 22	32 9	25.5 3.9
NEW ENGLAND	MAX MIN	39 5	43 8	42 19	35 14	32 9	28 6	32 20	27 10	39 12	25 15	20 8	41 12	46 28	45 15	26 13	27 13	21 0	26 6	17 10	-7 -10	-7 -10	9 -13	36 9	43 13	33 17	31 9	31 2	24 17	35 19	35 22	27 8	29.6 10.0
NEW SALEM 1 SE	MAX MIN	29 -4	39 12	40 15	36 19	33 10	25 8	28 6	18 -11	41 13	26 8	16 13	26 13	45 24	47 27	29 9	29 6	23 10	24 7	15 5	7 -10	-1 -18	6 -10	36 5	45 21	33 20	26 2	33 -1	36 19	31 16	28 15	28.1 9.2	
NEWTOWN	MAX MIN	29 5	32 2	39 16	32 10	28 12	25 7	28 8	-2 -2	35 14	26 15	16 10	28 15	43 20	42 26	26 7	25 16	24 17	22 8	8 -6	-3 -18	-3 -18	3 -18	35 0	38 12	35 21	32 5	23 16	33 13	34 16	32 11	26.9 8.5	
OAKES	MAX MIN	8 -9	25 -5	33 12	34 14	32 20	22 6	27 8	12 -20	18 -19	27 4	-4 -14	14 -11	23 -11	42 12	20 6	26 17	29 6	18 10	11 -4	6 -11	3 -9	6 -6	29 4	27 5	22 8	23 -24	15 -21	24 15	31 18	36 4	21.8 0.0	
PARK RIVER	MAX MIN	27 -5	33 12	41 16	36 16	28 11	18 0	15 -5	-20 0	35 3	23 -5	15 -5	18 -7	40 11	39 20	29 7	19 3	24 1	19 3	9 -8	1 -8	-8 -8	4 -7	12 -7	33 5	32 13	13 -7	11 -21	27 11	25 3	30 7	10 -3	21.6 0.9
PARSHALL	MAX MIN	29 0	35 3	38 7	31 5	27 16	25 6	28 1	-9 -9	37 10	30 10	17 5	27 6	44 15	41 19	27 2	26 13	23 15	20 20	16 -2	7 -6	-1 -19	5 -11	36 7	39 20	38 3	28 2	21 15	32 25	35 26	32 3	27.0 5.0	
PEMBINA	MAX MIN	16 -4	30 7	30 12	37 12	30 8	8 -5	5 -12	-27 -2	29 -2	14 -13	17 -6	11 -15	29 6	33 10	25 0	18 -5	23 -3	18 2	5 -15	0 -12	-1 -15	-6 -8	11 5	26 10	23 -9	11 -15	23 -24	24 11	33 16	25 5	5 -4	17.3 -4.1
PETERSBURG	MAX MIN	23 -4	37 11	38 18	31 19	27 9	15 0	14 -8	-25 -8	33 -8	22 -5	13 -5	14 -8	35 8	39 18	25 5	18 1	23 1	18 0	5 -12	0 -15	0 -17	-11 -10	18 11	32 10	28 10	12 -9	27 -27	26 5	22 10	31 5	20 -4	20.6 -1.2
PETTIBONE	MAX MIN	28 -9	35 8	39 13	35 6	32 13	16 4	23 -2	-24 5	33 3	28 2	-3 -13	10 10	37 15	40 3	32 3	25 4	23 12	19 -2	9 -9	5 -7	-1 -15	5 -7	30 -8	33 5	31 10	17 0	9 -26	25 1	25 16	33 18	23 3	23.3 0.5
PORTAL	MAX MIN	18 -12	33 13	41 5	40 14	37 14	20 0	21 -10	10 -30	30 3	34 6	22 5	15 3	33 7	41 26	37 1	24 -1	21 -5	9 -10	8 -10	-4 -21	-3 -18	36 -15	36 14	33 5	33 -10	32 -5	22 9	23 9	32 18	35 15	25.1 1.7	
POWERS LAKE 1 N	MAX MIN	31 10	38 12	42 18	40 10	28 12	28 8	22 -3	21 -6	38 16	24 10	15 12	29 12	45 19	35 25	34 0	24 2	22 16	20 -2	14 -6	10 -23	-2 -21	35 12	39 20	24 3	22 -39	12 -9	23 10	22 12	32 15	32 5	25.7 5.0	
RAUB 10 SSW	MAX MIN	30 9	32 16	40 21	35 20	30 12	31 13	32 14	22 0	37 19	27 16	29 14	28 15	45 25	44 27	37 10	24 20	15 13	10 8	-8 -8	-15 -15	-9 -9	7 7	36 19	43 19	38 0	32 -5	29 13	32 15	29 25	29 14	29.1 11.5	
RICHAROTON ABBEY	MAX MIN	34 3	40 17	43 20	38 22	33 10	26 6	28 16	22 4	39 17	33 11	17 30	10 27	45 27	45 31	31 9	26 17	22 10	22 10	18 10	-3 -7	-3 -18	46 8	42 3	39 21	30 7	21 24	33 18	32 15	28 15	34 25	29.0 11.8	
RIVEROALE	MAX MIN	12 -13	29 8	31 11	38 13	34 9	22 12	31 11	15 -11	25 -10	37 9	19 6	17 4	28 10	45 12	46 12	27 20	28 21	12 12	22 3	14 0	-9 -8	3 -8	32 15	35 16	41 10	30 -6	10 -1	27 1	27 16	35 13	26.5 6.5	
ROLLA	MAX MIN	24 0	37 17	32 15	36 15	27 9	18 3	17 -10	17 -19	33 7	37 -5	15 -3	19 -4	37 18	39 19	24 7	19 5	20 15	16 2	5 -7	0 -9	6 -6	7 -7	23 -1	35 13	23 14	19 -22	25 -23	20 9	28 12	16 -9	21.3 1.5	
RUGBY	MAX MIN	25 -1	39 14	34 9	29 9	29 12	18 5	23 -20	11 -10	30 3	27 5	15 6	20 20	38 16	38 20	27 4	28 17	17 5	9 4	6 -8	-15 -12	-8 -2	32 12	36 12	33 18	33 -6	20 -26	23 15	27 5	33 -5	18 -18	23.5 2.4	
SAN HAVEN	MAX MIN	24 0	34 12	38 16	36 16	33 11	17 5	18 -1	-20 5	34 13	23 -2	18 -1	18 1	40 15	39 19	26 5	22 15	21 5	17 15	12 -7	7 -10	-11 -9	7 -7	29 3	29 16	37 -22	25 -4	33 13	32 4	18 0	23.8 2.6		
SHARON	MAX MIN	18 -4	36 11	37 17	32 20	27 9	15 2	14 -8	-2 -22	33 -2	25 -4	15 -5	11 -10	36 5	38 19	28 5	22 2	19 4	16 -2	6 -9	0 -9	-4 -13	3 -11	32 -9	29 11	11 -5	26 -26	31 2	22 12	30 15	20.0 0.0		
STANLEY	MAX MIN	31 5	39 8	41 20	38 9	31 13	26 5	26 -1	-6 13	38 13	24 11	15 7	28 8	44 27	40 25	24 14	16 11	9 4	0 -10	-19 -12	-12 -9	3 -11	34 -9	38 11	32 28	28 11	-12 -5	21 2	12 12	35 15	19 1	26.0 6.8	
STEELE	MAX MIN	30 -3	39 12	40 18	34 15	31 18	20 10	28 1	-17 -6	35 3	27 2	-1 -3	19 14	44 12	44 22	35 14	29 12	24 5	11 4	8 -4	0 -6	-14 -5	6 -5	37 11	40 35	35 24	11 -23	28 5	29 20	32 22	32 6	26.5 5.0	
TIOGA 1 E	MAX MIN	14 4	30 8	35 8	40 8	40 8	16 1	26 1	18 -4	27 5	37 16	20 11	17 13	29 13	45 25	39 2	23 0	23 14	20 3	16 3	12 -3	-3 -22	33 -13	33 -13	38 22	33 9	11 -7	24 6	21 8	32 19	33 4	25.1 4.7	
TOWNER	MAX MIN	28 -3	35 9	33 19	29 11	24 13	27 10	17 -4	-19 0	35 3	27 4	20 -2	22 6	45 14	40 23	25 4	18 4	20 4	15 -4	19 -1	9 -5	-15 -15	10 -7	34 -1	27 17	18 4	12 -6	22 -25	24 15	30 4	18 -7	24.2 2.2	
TROTTERS 3 S	MAX MIN	40 9	40 15	42 22	38 17	29 6	30 4	31 21	29 14	36 32	27 14	23 6	49 7	46 33	43 21	23 12	26 8	19 12	17 8	12 -5	-5 -19	10 -21	35 9	40 22	31 18	28 10	23 12	24 19	35 25	33 17	27 11	29.4 11.0	
TURTLE LAKE	MAX MIN	28 0	31 9	40 18	33 12	31 18	24 11	29 -3	13 -16	39 11	27 3	16 5	20 1	45 15	45 22	28 14	27 16	22 16	13 -2	8 -3	-15 -15	5 -3	37 15	43 20	35 1	27 -4	20 1	23 13	30 17	36 18	25 10	26.6 7.0	
UNOERWOOD 4 ESE	MAX MIN	28 3	32 12	39 16	33 18	32 15	23 10	29 4	-14 11	37 3	32 16	15 4	-1 11	45 26	44 18	29 13	26 14	23 8	21 4	12 0	-5 -14	-4 -4	36 14	41 14	34 18	26 18	18 9	26 10	30 16	35 9	24 6	26.3 6.9	
UPHAM 3 N	MAX MIN	29 -5	30 6	37 9	28 9	25 15	20 5	25 -6	16 -19	34 8	29 0	-3 -7	12 13	43 13	38 19	27 5	25 14	14 -4	12 -15	5 -9	-15 -15	-7 -7	35 0	38 11	35 14	21 1	25 0	td					

DAILY TEMPERATURES

NORTH DAKOTA
DECEMBER 1960

Continued

Station	Day Of Month																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WISHEK	MAX MIN	15 -16	28 5	42 6	39 17	33 20	21 9	26 8	15 -20	16 -17	8	12 1	21 -5	27 9	37 21	40 2	23 6	27 13	23 -12	10 -4	3 -17	2 -18	5 -5	35 5	30 8	25 11	25 -22	21 -19	27 11	33 16	34 12	24.5 1.0

SNOWFALL AND SNOW ON GROUND

Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
AERCROMBIE	SNOWFALL SN ON GND	4	4	4	4	3	.5	T	T	4	4	4	4	4	4	.5	T	T	.7	5	5	4	T	T	.8	4	1.3	.7	5	T	T	T		
ALMONT 7 SW	SNOWFALL SN ON GND	1				1	1	1	1	1	1	1				T	T	T		2	2	2	2	3	3	4	T	4	4	2	2	1		
AMENIA	SNOWFALL SN ON GND	6	6	5	5	2.0	7	7	7	7	7	7	7	6	5	T	5	5	5	5	5	5	5	5	6	6	5	3.0	8	8	7	7	7	
ASHLEY	SNOWFALL SN ON GND	2	2	2	T	4.0	6	6	6	6	6	6	4	4	4	4	T	4	4	4	6.0	10	10	10	10	T	10	10	.5	T	T	-		
BEACH	SNOWFALL SN ON GND	3	1	T	T	T	T	T	.5	T	T	T	T	T	T	T	T	T	T	.5	1.0	1.0	1.0	3	2	2	1	1.0	T	T	2	2	1	
BELCOURT INDIAN RES	SNOWFALL SN ON GND	2	2	2	2	1.4	T	.3	3	3	3	3	3	3	3	.5	1.0	5	.1	5	5	4	4	T	1.7	6	.3	1.0	7	7	7	T	.2	
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	3	2	1	T	.2	4.8	T	.1	3	2	2	2	2	2	.2	T	T	T	T	4.6	.1	T	.2	.1	2	1	2	2	2	2	2	.2	
BOTTINKAU	SNOWFALL SN ON GND	1	1		T	T	1.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	3	3	3	3	3	3	.5	
BOWBELLS	SNOWFALL SN ON GND	-	-	-	-	-	T	-	-	-	-	-	-	-	-	1.5	T	T	T	T	T	T	-	-	-	-	-	-	-	-	-	-	-	
CAVALIER	SNOWFALL SN ON GND	3	3	3	3	5.0	.5	2.0	10	10	10	10	10	9	9	T	1.0	10	T	10	10	10	10	10	10	10	10	10	10	10	10	12	12	
CENTER	SNOWFALL SN ON GND	3	2	2	2	3.0	5	5	5	5	2	2	2	2	1	T	T	T	T	T	1.0	1	1	1	1	1	2	T	2	2	2	2	2	
CROSBY	SNOWFALL SN ON GND	-	-		T											2.2	2	2	2	1	1	2	2	2	2	2	1	1	1	1	T	T	T	
DEVILS LAKE WB CITY	SNOWFALL SN ON GND	2	2	1	1	8.7	.4	.3	T	10	10	9	9	9	9	1.0	9	9	9	.1	.2	T	T	T	.1	1.9	10	.8	.7	T	T	.1	.2	
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND	2	1	1	1	1	1	1	1	1	1	1	1	1	T	T	T	T	T	.8	.8	T	.2	2	2	2	2	1	3	3	3	3	T	
DUNN CENTER 2 SW	SNOWFALL SN ON GND	3	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	4	4	4	4	3	3	4	4	4	4	4	
ELLEDALE	SNOWFALL SN ON GND	9	9	7	7	4.0	1.0	12	12	10	10	9	9	8	8	T	.5	T	.5	T	.5	T	.1	1.5	10	9	10	10	10	10	10	10	8	7
FAIRFIELD	SNOWFALL SN ON GND	5	4	1	1	1.0	T	T	2	2	2	1	1	1	1	1	1	1	1	2	5	4.5	T	T	6	6	5	6	6	6	6	6	6	
FARGO WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	10	8	8	8	1.6	.2	.3	T	T	6	5	5	5	5	.3	.2	T	T	4	4	4	4	4	4	4	3	3	3	7	4	4	4	
FESSENDEN	SNOWFALL SN ON GND	3	1	1	1	10.0	T	-	-	-	-	-	10	7	5	3.0	8	8	8	8	8	8	8	8	8	8	8	8	10	8	8	9	9	
FORT YATES	SNOWFALL SN ON GND	-	-	-	-	5.0	T	5	5	5	5	5	T	-	-	.2	3	2	2	2	2	2	1.0	1.5	-	-	4	2	2	3	3	3	2	
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	3	3	3	2	3.4	.9	T	5	5	5	4	4	4	4	.4	T	.2	T	T	4	4	4	4	4	4	4	4	4	4	4	.4	.1	
GRAND RAPIDS 1 N	SNOWFALL SN ON GND	6	5	4	4	8.0	T	12	12	12	12	12	12	12	11	10	10	10	11	11	10	10	10	10	10	10	11	11	10	10	10	10	8	8
GRANVILLE	SNOWFALL SN ON GND	3	3	3	3	T	T	3	3	3	3	3	3	3	2	2.0	T	T	4	4	4	4	4	4	4	4	4	5	4	5	6	6	6	6
HANNAH	SNOWFALL SN ON GND	1	1	T	T	3.0	.5	.3	4	4	4	4	4	4	4	1.3	T	T	T	5	5	5	5	5	5	5	5	5	5	5	5	5	1.0	.5
HETTINGER	SNOWFALL SN ON GND				T	T															2	2	2	2	2	2	2	2	2	2	2	2	2	
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND	3	3	3	T	10.7	T	13	13	13	13	13	12	12	12	10	12	12	12	10	10	10	10	10	10	10	12	12	12	13	12	12	11	10
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND				T	8.0	2.0	10	10	10	10	10	10	10	9	8	1.0	T	T	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
LANGDON EXP FARM	SNOWFALL SN ON GND	3	1	T	T	5.0	1.0	.5	T	6	6	6	6	6	6	.5	1.0	7	7	T	T	7	7	7	7	7	7	8	8	8	8	8	1.0	.5
LEEDS	SNOWFALL SN ON GND				6.0	6	6	6	5	5	4	4	4	4	4	1.7	6	6	6	6	6	6	6	6	6	6	6	8	7	7	7	6	6	6
LISBON	SNOWFALL SN ON GND	7	7	7	7	2.0	9	9	9	9	9	9	9	9	9	9	.5	9	9	9	9	9	9	9	9	9	9	9	10	11	11	10	9	9

See reference notes following Station Index.

Continued

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
DECEMBER 1960

Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARMARTH	SNOWFALL SN ON GND	3	3	3	3	3	3	3	T	3	2	2	2	2	1	1	1	1	T	3.0	T	1.5	6	.5	5	3	-	T	3	3	3	2	2	
MAX	SNOWFALL SN ON GND	4	3	3	2	1.0	T	3	T	3	2	2	2	2	2	1	1.3	T	T	2	1.0	3	3	.3	3	2	2.0	4	4	4	3	3		
MAYVILLE	SNOWFALL SN ON GND	3	3	3	T	2.0	1.0	.5	6	6	6	5	5	5	5	4	4	.2	.1	4	4	4	4	T	.2	T	T	.4	T	T	T	T		
MC CLUSKY	SNOWFALL SN ON GND	2	2	1	1	3.0	4	4	4	4	3	3	T	3	3	2	.1	.2	2	2	.1	2	2	2	.1	2	1.5	3	3	3	3	3		
MC HENRY 5 N	SNOWFALL SN ON GND	2	1	T	T	9.0	9	.2	9	9	9	9	9	9	9	9	.5	T	9	9	9	9	9	.1	.8	10	10	.1	.5	T	T	T		
MINOT FAA AIRPORT	SNOWFALL SN ON GND	3	3	3	T	T	T	T	T	T	T	T	T	T	2.1	1	3	T	.1	T	.4	.1	3	3	T	.1	1.6	.3	T	T	T	T		
MOHALL	SNOWFALL SN ON GND	2	1	1	1	1.0	2	2	2	2	1	1	1	1	1	2.0	3	T	3	3	T	3	3	T	3	T	2	1.0	3	T	3	3		
MOTT	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MUNICH 4 SW	SNOWFALL SN ON GND	1				2.0	2	.5	2	2	2	2	2	2	2	T	2	.5	T	2	2	2	T	2	2	1.0	.5	.5	4	4	4	T		
NAPOLEON	SNOWFALL SN ON GND	2	1	T	1	5	5	T	5	5	5	5	5	5	4	4	4	4	4	4	5	T	5	5	5	4	4	.7	1.0	5	5	5		
PARK RIVER	SNOWFALL SN ON GND	1	1	T	4.0	4	1.0	5	-	4	4	3	3	3	3	3.0	3	T	T	3	3	3	3	3	3	3	3	3	3	T	3	.5		
PARSHALL	SNOWFALL SN ON GND	2	2	2	2	T	T	T	2	1	1	1	1	1	1	1	.1	1	T	1.0	T	2	2	2	2	1	1.0	.3	2	2	2	2	2	
PETERSBURG	SNOWFALL SN ON GND	1	1	1	1	6.5	.5	.2	7	8	8	8	8	8	8	8	.1	8	8	8	8	8	8	8	T	.7	9	9	9	9	9	9	.1	
PETTIBONE	SNOWFALL SN ON GND	1	1	T	T	6.0	1.0	7	7	7	7	7	7	7	6	6	T	1.0	7	T	7	7	7	7	7	7	7	7	7	7	7	7	7	
PRETTY ROCK	SNOWFALL SN ON GND	2	1	1	1	1.5	1	1	1	1	T	1	1	1	1	T	T	T	T	T	1	1	1	T	.5	T	2.0	T	3	3	3	3	2	
RICHARDTON ABBEY	SNOWFALL SN ON GND	2	1	T	T	T	T	T	T	T	T	T	T	T	T	.1	T	T	T	T	2.5	1.2	4	4	4	2	1	2	2	2	2	1	1	
RIVERDALE	SNOWFALL SN ON GND	1	1	1	1	T	T	T	T	1	1	1	1	1	T	T	T	T	T	1	.5	.5	1	1	1	T	1	.5	1.5	2	2	2	2	
SHARON	SNOWFALL SN ON GND	3	2	1	1	3.0	.5	5	5	T	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	
STANLEY	SNOWFALL SN ON GND	2	2	1	1	T	1	1	1	1	1	1	1	1	1	T	T	T	T	1.0	T	1	1	1	1	1	1	.2	.5	.5	T	2	2	
VELVA	SNOWFALL SN ON GND	4	3	3	3	2.0	5	5	5	4	4	4	4	3	4	1.0	1.0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
WILLISTON WB CITY	SNOWFALL SN ON GND WTR EQUIV	2	1	1	1	T	T	1	1	1	1	1	1	1	1	1.2	2	2	2	2	1.4	.6	4	4	4	4	3	.8	T	T	T	T	T	
WILLOW CITY	SNOWFALL SN ON GND	.2				1	1	1	1	1	1	1	1	1	1	.2	.2	.2	.2	.3	.4	.4	.4	.4	.4	.4	.3	.2	.3	.3	.3	.3	.3	.2

MONTHLY EXTREMES

Highest Temperature: 53° on the 15+ at Two Stations

Lowest Temperature: -36° on the 27th at Willow City

Greatest Total Precipitation: 1.67 inches at Bisbee

Least Total Precipitation: 0.06 inch at Beulah

Greatest one-day Precipitation: 1.15 inches on the 5th at Two Stations

Greatest Total Snowfall: 17.7 inches at Jamestown State Hospital

Deepest Snow on Ground: 18 inches on the 31+ at Courtenay

See reference notes following Station Index.

CLIMATOLOGICAL DATA

NORTH DAKOTA
DELAYED DATA

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max		Min						Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More
										90° or Above	32° or Below	32° or Below	0° or Below										
										90° or Above	32° or Below	32° or Below	0° or Below										
MAY 1960																							
WEST CENTRAL DIVISION WASHBURN	69.5	41.7	55.6	- 0.3	88	31+	28	7+	306	0	0	4	0	4.68	2.93	2.30	25	.0	0		8	2	1
SOUTHWEST DIVISION TROTTERS 3 S	67.5	41.5	54.5		90	12	29	7	329	1	0	3	0					.0	0				
JUNE 1960																							
WEST CENTRAL DIVISION WASHBURN	73.8M	50.3M	62.1M	- 2.2	88	27+	40	5	112	0	0	0	0	4.96	1.27	1.60	9	.0	0		9	4	1
SOUTHWEST DIVISION RICHARDTON ABBEY	73.2	50.2	61.7	- 0.9	88	25	37	5	117	0	0	0	0	4.48	.49	1.69	15	.0	0		7	3	1
TROTTERS 3 S	73.7	48.8	61.3		91	25	38	5	129	1	0	0	0	3.08	.07	.91	21	.0	0		6	2	0
AUGUST 1960																							
SOUTHWEST DIVISION TROTTERS 3 S	84.2	53.9	69.1		102	22	42	26+	33	9	0	0	0	1.77	.09	.75	5	.0	0		3	2	0
SEPTEMBER 1960																							
WEST CENTRAL DIVISION WASHBURN	74.3	45.2	59.8	0.6	97	2	29	30	210	4	0	2	0	.10	- 1.22	.10	8	.0	0		1	0	0
OCTOBER 1960																							
WEST CENTRAL DIVISION WASHBURN	60.2M	33.9M	47.1M	0.0	86	4	6	19	552	0	0	12	0	.45	- .37	.33	25	.0	0		1	0	0

DAILY PRECIPITATION

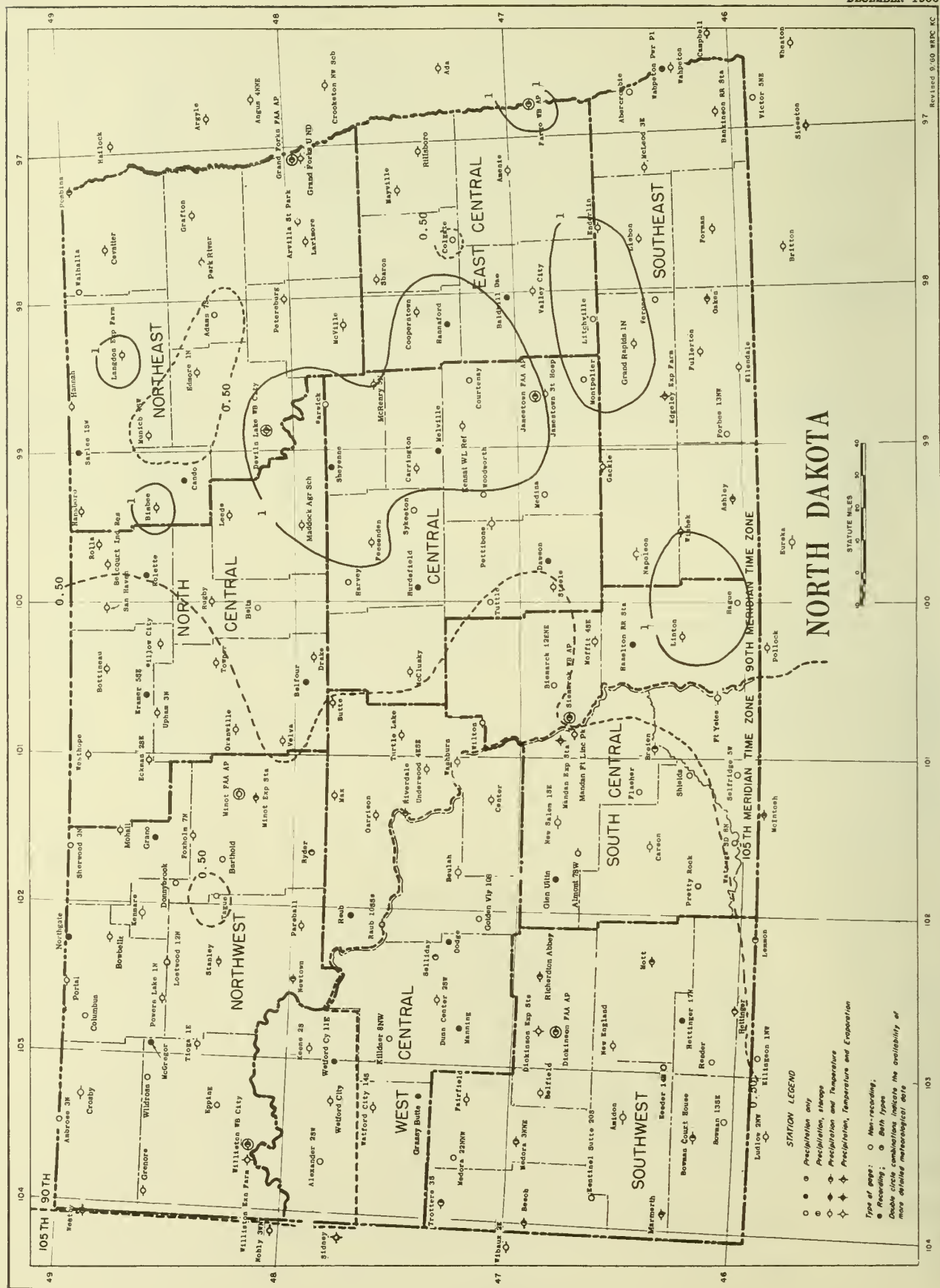
Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MAY 1960	-																	T	.27	.04				.01	-		.01			.60	.01		
TROTTERS 3 S			.05		T			.25											.27														
WASHBURN	4.68			.10	.03			.12										.02	.31					.11		2.30	.06			.83	.40		.40
JUNE 1960																																	
RICHARDTON ABBEY	4.48			.01	.05			.49	.68			.10	.07	1.69	.29	.10				T	.99	.01							.01				
TROTTERS 3 S	3.08	.02		.05	.05		.45	.04				.32			.08	.13				.64	.91	.38							.65	.30			
WASHBURN	4.96	.08		.15				.17	1.60					.25		.07				.05	.94	.55	.15										
AUGUST 1960																																	
TROTTERS 3 S	1.77		.01		.75			.08						.10							.06			.08	.69								
SEPTEMBER 1960																																	
WASHBURN	.10							.10																									
OCTOBER 1960																																	
WASHBURN	.45													.05												.33						.07	
NOVEMBER 1960																																	
GOLDEN VALLEY 10 S	.08								T		.06	T					.02	T						T	T	T							

DAILY TEMPERATURES

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MAY 1960 TROTTERS 3 S	MAX MIN	66 40	57 36	44 33	49 33	54 30	56 35	67 29	63 43	65 37	68 37	78 39	90 50	75 56	64 43	65 40	72 31	66 48	57 45	55 37	69 39	79 37	71 47	88 46	70 52	63 49	68 41	79 41	63 47	71 44	82 47	78 54	67.5 41.5	
WASHBURN	MAX MIN	67 34	48 33	37 30	54 33	58 37	60 28	64 28	59 35	68 36	66 35	73 32	85 44	88 52	70 43	72 42	75 37	67 50	73 51	64 40	72 38	72 42	87 47	83 54	80 57	64 47	68 42	74 44	64 51	74 46	81 48	88 57	69.5 41.7	
JUNE 1960 RICHARDTON ABBEY	MAX MIN	73 50	71 50	68 45	64 47	67 37	70 42	83 52	76 58	68 52	69 45	72 51	73 56	75 54	71 57	68 54	65 45	75 51	74 45	75 50	73 60	69 43	64 46	70 49	78 48	88 53	84 63	84 48	77 55	75 51	76 48	73.2 50.2		
TROTTERS 3 S	MAX MIN	75 48	70 54	65 44	59 47	66 38	74 39	84 52	75 53	74 53	71 44	74 48	72 52	79 46	72 53	67 50	70 48	74 51	75 45	78 49	79 56	64 42	59 45	71 46	81 51	91 57	85 59	84 49	77 50	71 50	79 46	73.7 48.8		
WASHBURN	MAX MIN	73 49	73 44	69 49	67 45	68 40	72 42	78 56	76 60	63 55	71 42	74 51	77 52	80 50	76 57	68 50	66 45	77 51		77 45	67 58	68 46	64 49	72 53	78 49	87 56	88 59	88 50	77 57	71 49	76 49	73.8 50.3		
AUGUST 1960 TROTTERS 3 S	MAX MIN	97 61	86 64	82 55	93 58	86 58	77 58	76 55	67 52	80 49	85 54	92 58	92 60	79 58	73 55	89 58	88 56	85 51	87 53	95 57	97 56	88 57	102 59	93 52	77 42	67 49	81 42	70 47	72 45	85 46	90 52	80 54	84.2 53.9	
SEPTEMBER 1960 WASHBURN	MAX MIN	81 51	97 65	90 63	89 62	84 67	79 54	72 49	62 42	75 39	84 47	64 38	79 42	76 37	80 45	81 49	67 43	66 33	64 47	90 45	92 50	87 44	61 38	57 42	87 65	61 42	57 65	66 39	71 30	58 39	54 44	62 29	74.3 45.2	
OCTOBER 1960 WASHBURN	MAX MIN	64 44	60 44	70 31	40 44	70 31	40 36	86 44	73 43	77 36	81 44	76 39	60 34	61 46	71 34	59 28	59 35	59 28	41 29	38 14	35 6	50 24	60 30	59 40	52 35	62 32	58 36	54 25	60 34	55 28	58 37	40 36	42 32	60.2 33.9

TOTAL PRECIPITATION

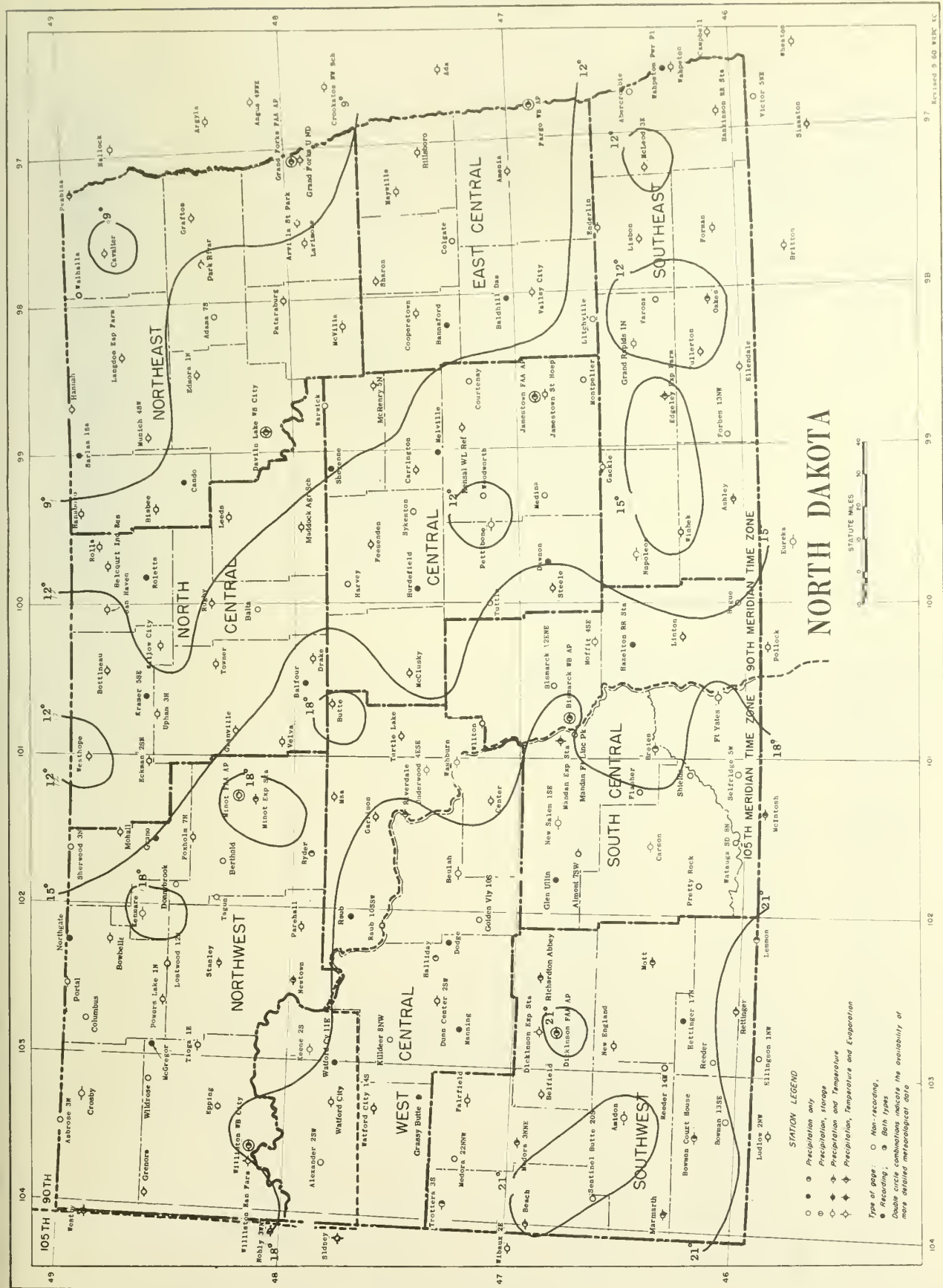
DECEMBER 1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

DECEMBER 1900



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

NORTH DAKOTA
DECEMBER 1960

1 DRAINAGE CODE: 1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMBINA 10. RED 11. SNEYDEN 12. SOURIS 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensioned units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- O Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

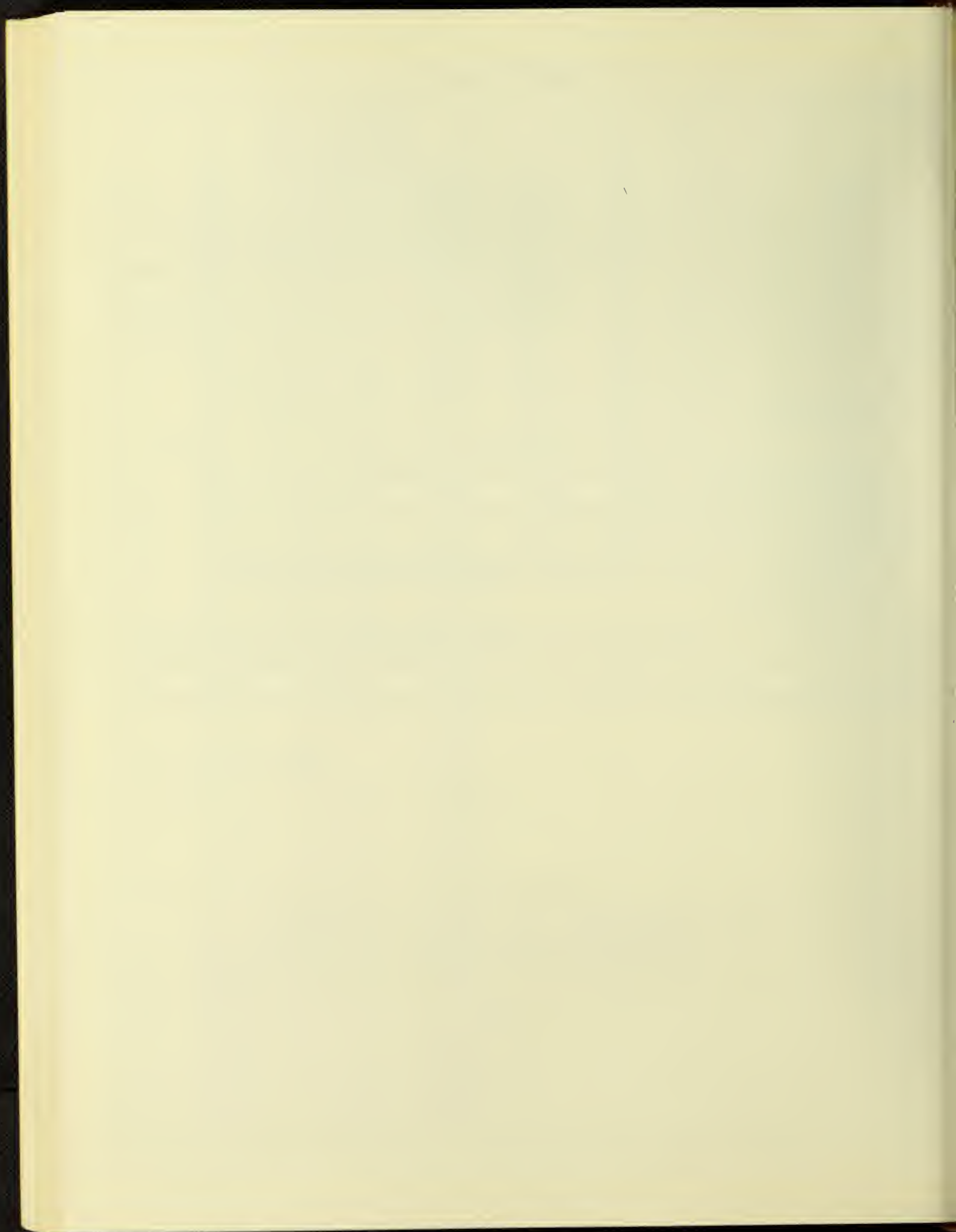
USCOMM-WB-ASHEVILLE---2-6-61---825

CORRECTIONS

MAY THROUGH SEPTEMBER 1960: WILLISTON, Supplemental Data Table, Station Name should be WILLISTON WB CITY instead of WILLISTON WB AIRPORT.

OCTOBER 1960: DICKINSON EXP STATION, Climatological Data Table, Total Precipitation should be .02, Departure - .86, and Greatest Day and Date .02 on 18th.

DICKINSON EXP STATION, Daily Precipitation Table, Amount on 7th, 10th, and 14th should be T, 18th .02, and Total .02.



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UNNT

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

ANNUAL SUMMARY 1960

Volume 69 No. 13



ASHEVILLE: 1961

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AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

NORTH DAKOTA
1960

Table 1

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
ALMONT 7 SW	12.9		13.8		20.1		42.9M		55.5		61.6		74.2		70.5		60.8		47.6		30.7		19.8		42.5	
AMENIA	8.5		12.6		18.3		43.0M		56.9M		63.9M		70.7		70.6		62.7M		48.4M		30.6		19.6M		41.3	
AMIDON	14.7		15.7		23.1M		42.5		52.2M		60.7		73.3M		69.5M		61.7M		47.8M		31.1M		19.1M		42.6	
ARVILLA STATE PARK	3.9		7.6M		13.0M		40.3M		54.7		62.5M		72.8M		70.0M		61.3M		45.7		27.2		7.5M		38.9	
ASHLEY	10.4	1.4	9.6	-2.9	15.0	-9.7	41.8	-0.2	54.1	-0.3	60.5	-2.8	71.0M	0.4	68.6	0.2	61.7M	1.5	45.7	M	30.2	2.1	13.5	-2.1		
BEACH	13.3		14.5		22.0		41.9		53.5		61.1		73.1		67.7		59.4		45.8		29.2		18.6		41.7	
BELCOURT INDIAN RES	3.0		7.3		12.0		36.9		51.4		58.7		68.6		65.1		56.7		43.2M		23.7		10.4		36.4	
BELFIELD	13.5M		15.3		23.1		42.0M		53.9		60.6		74.9		67.6		59.4		45.7		29.1		18.3M		42.5	
BELHAM	11.1		13.2		20.1		43.7		57.1M		63.4		71.5		70.9		61.0		46.8		25.0		10.9M		37.6	
BISBEE	2.0M		6.7		13.0		38.2		52.9		61.0M		71.2		67.2		58.8M		44.2M		25.0		10.9M		37.6	
BISMARCK WB AIRPORT	11.0	1.8	14.4	1.7	20.1	-6.6	45.2	-2.1	56.2	-1.4	63.2	-1.1	74.2	2.1	70.7	1.4	59.5	1.0	47.0	1.3	28.9	0.5	16.9	1.4	42.3	-0.6
BOTTINEAU	2.1M	-1.2	8.2	0.6	12.1	-8.0	37.8	-1.6	52.7	-0.7	60.5	-1.0	70.1	1.2	67.4	0.3	57.2	1.4	43.8	0.2	24.6	0.8	10.3	0.1	37.2	-0.6
BOWBELLS	5.1		9.5		15.1		38.4		52.8		59.7M		71.4M		67.1		57.8		44.4		24.7		14.6M		38.4	
BOWMAN COURT HOUSE	16.3M	1.5	16.0	-1.7	24.4	-2.1	44.1	1.4	55.0	0.8	62.0	-0.2	73.8	2.7	69.7M	0.2	62.3M	1.9	48.6	2.1	30.5	0.5	22.0M	-1.2	43.5	0.5
BREIEN	11.2		14.5		20.4		45.1M		55.6M		63.5M		74.3M		71.3		60.7		48.1M		29.6		17.7M		42.7	
BUTTE	8.2		10.8		16.2		39.9		54.2M		61.7M		70.8		68.4		58.8		47.1		26.9M		15.5		39.9	
CARRINGTON	5.9	-0.3	8.7	-1.4	14.0	-8.2	39.1	-1.0	52.9	-0.3	60.4	-2.1	69.2	-0.5	67.3	0.1	57.6	1.2	44.9	-0.1	28.0	2.2	10.8	-2.0	38.3	-1.0
CARSON	10.9	-0.9	13.2	-1.9	17.9	-7.5	43.1	0.3	54.6M	-0.2	61.4	-2.1	73.5	1.6	69.1	-0.3	59.9	0.9	46.5M	-0.3	29.3	0.0	17.6	-1.0	41.4	-1.0
CAVALIER	5.3		10.1		16.0		39.3M		55.7		63.5M		71.9		70.9		61.0		46.8		28.1		9.9		38.6	
CENTER	10.8		11.9		18.3		42.1		54.5		60.8		71.9		68.3M		58.5		45.7		28.8		17.7		40.8	
COOPERSTOWN	7.0		9.4M		16.0M		40.9		55.8M		62.1M		71.3		70.0		60.0		47.0		28.7		10.2		39.4	
CROSBY	6.1	0.1	9.1	-1.2	17.6	-3.9	41.3	-1.6	55.1	2.2	61.0M	0.3	71.5	1.0	67.7	2.0	58.3	3.1	45.7	1.7	26.7	0.4	16.8	3.0	39.7	-1.0
DEVILS LAKE WB CITY	3.6	-1.2	8.1	-0.6	13.6	-9.0	38.7	-1.3	53.3	1.3	61.6	-0.8	70.8	1.5	68.3	1.5	59.7	2.4	45.2	1.3	27.0	1.9	9.9	-1.3	38.3	-0.4
DICKINSON FAA AIRPORT	13.6		15.4		21.5		42.3		53.8		60.7		73.4		68.9		60.4		47.2		29.8		20.7		42.7	
DICKINSON EXP STATION	10.6	-0.1	14.4	0.5	19.4	-4.5	41.8M	0.5	52.8	-0.3	60.2	-1.2	71.5	1.7	68.3	1.7	58.8	2.4	45.3	0.5	27.7	-0.2	16.8	-0.7	40.6	-0.1
DRAKE	7.9M	1.9	9.6M	-0.3	16.2	-5.5	40.4M	-0.2	54.6	0.6	61.8	-0.8	71.2	1.2	68.0	0.5	58.9M	2.0	45.7M	0.9	27.3M	1.0	13.8	0.5	39.6	0.2
DUNN CENTER 2 SW	10.5M	0.1	13.0	-1.2	18.3	-5.8	41.3	0.5	54.1	1.0	61.5	0.1	72.5	1.0	69.0	2.1	59.3	3.9	46.6	1.7	28.6M	0.8	17.6	-0.1	41.0	0.5
ECKMAN 2 SE	1.8M	-1.2	7.3	-0.3	13.3	-6.8	38.7	-1.3	52.3	-1.0	61.3	-0.1	70.5	1.8	67.4	0.1	57.7M	2.2	45.7	0.9	27.3M	1.0	13.8	0.5	39.6	0.2
EDGLEY EXP FARM	9.5M	0.5	12.5	-0.6	15.7	-9.7	41.3	-1.4	54.3	-0.6	61.5	-2.4	70.1	-0.9	69.5	0.5	59.7	0.9	47.4	0.7	30.5	2.5	12.4M	-2.7	40.4	-1.1
EDMORE 1 N	1.7		6.4		11.4		38.0M		53.4		61.2M		69.2		68.3		57.8		43.6M		26.1M		10.1M		37.3	
ELLENOLE	12.0	2.2	13.9	0.0	18.0	-8.6	43.9	0.4	56.2	0.4	63.2	-1.8	73.3	1.4	71.7	1.8	61.5	1.7	48.9	1.4	31.7	2.4	14.5	-1.8	42.4	0.0
ENDERLIN	7.7		10.2		15.3		40.3		55.0		63.0		70.8		69.6		59.6		45.8		29.8		9.4		39.7	
FAIRFIELD	11.1		13.6		21.1		41.3		54.0		60.6		72.8		68.2		60.3		47.0		29.1		18.9		41.5	
FARGO WB AIRPORT	8.1	1.0	11.3	0.5	15.5	-9.8	41.2	-0.9	56.6	1.6	63.3	-1.3	71.4	0.1	70.6	1.5	59.9	1.0	47.5	1.4	29.9	3.1	10.0	-2.9	40.5	-0.4
FESSENDEN	8.2	1.9	10.8	0.0	16.8	-6.1	42.1	0.9	55.4	1.2	61.6	-1.2	71.7	1.5	68.2M	0.3	59.2M	1.7	47.5M	2.2	29.3	3.1	14.1M	-0.9	40.4	0.5
FORDHAM	11.6		12.7		16.3M		43.1		56.8		63.8M		73.1		70.7		60.8M		48.7M		31.8		13.1M		41.9	
FORT YATES	10.2M	-1.9	14.1M	-2.4	17.8	-10.1	44.4M	-0.5	55.3M	-1.4	64.0M	-1.4	75.1M	2.0	70.9M	0.4	57.0M	1.4	47.7M	-0.4	27.3M	1.0	13.8	0.5	39.6	0.2
FOXHOLM 7 N	8.7M	1.4	13.0M	1.6	19.3	-3.3	41.8	0.8	54.2	0.0	62.1	0.3	73.5	3.9	68.7	1.4	60.4	3.5	47.3	1.5	28.7	1.2	16.8M	-2.4	41.1	-1.2
FULLERTON	11.1M	1.0	13.0M	-1.1	18.1	-8.6	43.2	-0.5	56.5	0.4	63.2	-2.1	71.9	-0.3	70.3	0.3	59.4M	0.3	46.9	-0.5	28.9M	-0.5	10.3	-6.2	41.1	-1.5
GACKLE	10.5		9.9		15.6		42.1		55.8		62.3		72.4		70.7		60.6		49.2		31.8		13.9		41.2	
GARRISON	9.1M	0.8	13.1M	0.7	15.4M	-8.3	40.8	-0.8	54.0M	-0.2	61.3	-1.5	72.4	2.0	69.3M	1.6	58.7M	1.3	46.6M	1.4	27.8	0.8	15.9M	-2.9	40.4	-0.1
GRAFTON	1.4	-3.3	5.6	-4.1	11.2	-11.7	36.9	-4.7	52.1	-3.3	59.4	-4.9	68.7	-4.4	66.8	0.6	58.8	0.6	47.2	1.2	28.7	2.3	7.8	-3.5	-	
GRAND FORKS FAA AP	5.6		8.1		14.0		40.6		55.7		62.9		71.5		70.7		60.2		45.5		27.7		8.6		38.8	
GRAND FORKS UNIVERSITY	7.1	2.7	9.5	0.6	16.0	-6.5	41.3	0.0	56.1	1.2	63.5	-0.5	70.6	-0.1	70.4	2.2	59.9	2.9	47.1	1.8	28.7	2.7	8.8	-2.7	39.0	0.3
GRAND RAPIDS 1 N	10.7		11.8		17.7		43.3M		55.7		62.9		71.5		70.7		60.2		45.5		27.7		8.6		38.8	
GRANVILLE	6.6M	-0.1	11.9M	1.0	18.7M	-4.5	41.4	-0.2	54.9	-0.4	61.8	-0.6	73.1	3.1	68.7	1.2	59.7	2.3	46.7M	1.2	26.6M	0.1	14.9	0.9	40.4	0.3
GRENNORA	8.7		11.0		20.0		40.8		55.1		61.7		72.3		67.6		58.9		46.4		26.6		17.9		40.6	
HANKINSON R R STATION	9.8	0.6	12.4	-1.0	14.9	-10.9	41.4	-1.6	55.7	-0.8	63.6	-2.3	71.0	-1.5	69.6M	-0.1	59.8									

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

NORTH DAKOTA
1960

Table 1-Continued

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	
UNDERWOOD & ESE	9.4M		11.4		17.7		42.3		54.7		60.7		72.6		69.3		60.8		47.2		27.8		16.6		40.9		
UPHAM 3 N	3.0		8.4		17.2M		41.0		54.1M		61.7M		72.5M		68.9		59.4		44.9M		25.5		13.0		39.1		
VALLEY CITY	8.6M	0.1	10.3M	- 2.8	17.0	- 9.0	39.9M	- 1.5	56.8M	0.7	61.8	- 3.3	69.3	- 2.4	69.2	- 0.2	59.1	0.0	46.6	- 0.6	29.0	0.4	11.0	- 4.4	39.9	- 2.1	
VELVA	9.3	1.1	12.6	0.0	19.9	- 4.4	42.3	- 0.3	55.6	0.3	62.7M	- 0.5	72.8M	- 2.8	68.0	0.5	59.7	2.1	47.3	1.3	28.1	0.8	16.6	1.3	41.3	0.5	
WAMPETON	12.0M	2.4	14.1	0.3	18.1M	8.8	43.4	- 1.2	57.9	0.4	64.4M	- 2.4	73.0	- 0.1	72.4	1.2	63.0	1.7	50.6	1.6	32.8	2.7	13.0M	- 3.0	42.9	- 0.4	
WASHBURN	11.1	0.9	13.7	- 0.7	19.5M	- 6.1	43.3M	- 0.3	55.6	- 0.1	62.1M	- 2.2	72.8M	0.8	69.0M	- 0.2	59.8	0.6	47.1M	0.0	28.6	- 0.3	16.6M	- 0.1	41.6	- 0.7	
WATFORD CITY	11.7	0.5	14.9M	- 0.6	22.0	- 3.6	42.4	- 0.6	56.3	1.2	62.3	- 0.6	74.6	3.2	69.3	0.4	60.7	2.7	47.8	1.3	29.5	0.5	-	-	-	-	
WATFORD CITY 14 S	9.8M		14.9M		21.4		43.5		56.7		63.5		76.6		71.4		62.1		49.7		30.9		20.9		43.4		
WESTHOPE	0.8	- 2.9	6.9	- 0.8	13.7	- 6.7	39.2	- 1.0	53.4	- 0.9	61.0M	- 1.1	71.3M	2.1	67.4	0.5	57.5M	1.2	44.4M	0.6	24.8M	0.5	11.8	0.9	37.7	- 0.6	
WILLISTON NB CITY	10.2	0.2	12.7	- 0.8	21.6	- 4.9	42.6	- 0.3	55.9	1.3	62.0	- 1.0	74.1	3.2	69.6	1.5	60.2	3.0	47.6	2.1	29.1	0.8	19.1	3.4	42.1	0.8	
WILLISTON EXP FARM	7.7M		8.0M		17.6		41.5		55.2M		61.3		73.7		69.1		60.0		46.9M		27.8M		17.9		40.6		
WILLISTON CITY	0.5	- 2.0	6.3	- 0.5	12.7M	- 7.1	38.8M	- 0.9	52.8M	- 0.3	60.6	- 0.9	71.0	2.4	67.5M	1.5	58.2M	2.5	44.6M	1.5	24.5	0.6	11.0	1.0	37.4	- 0.2	
WILTON	11.1M		11.9		17.7		42.5		54.9		60.7M		72.0		69.3		59.3		47.0M		27.4		15.1		40.7		
WISMEK	7.9M	0.2	8.6M	- 2.8	12.7M	- 10.8	41.2M	- 0.2	53.1M	- 0.7	60.3	- 2.7	70.2	0.1	67.6M	0.0	57.2M	- 2.9	45.8M	1.1	28.8	1.6	12.8M	- 2.4	38.9	- 1.5	
DIVISION AVERAGES																											
NORTHWEST DIVISION	6.6	0.3	10.1	- 0.4	17.2	- 4.2	40.3	- 0.2	54.1	0.9	60.9	- 0.3	72.0	3.0	67.7	1.2	58.7	2.7	45.9	1.3	26.3	0.3	16.1	2.5	39.7	0.6	
NORTH CENTRAL DIV	4.1	- 0.4	8.9	- 0.3	15.1	- 5.9	39.7	- 0.8	53.9	0.2	61.3	- 0.6	71.4	2.3	67.8	1.1	58.5	2.4	45.4	1.1	26.0	0.9	12.6	0.8	38.7	0.0	
NORTHEAST DIVISION	3.9	0.6	8.1	0.2	13.7	- 7.1	38.9	- 1.0	54.3	0.9	61.7	- 0.5	70.0	1.0	68.8	1.9	59.0	2.7	45.5	1.1	27.0	2.1	9.0	- 1.6	38.3	0.0	
WEST CENTRAL DIVISION	9.7	0.9	12.3	- 0.4	18.5	- 5.1	41.8	0.0	55.0	0.9	61.5	- 0.8	72.9	2.8	69.3	1.6	59.7	2.6	47.0	1.4	28.4	1.2	17.3	1.6	41.1	0.5	
CENTRAL DIVISION	8.1	1.3	10.3	- 0.7	16.4	- 6.6	41.3	0.0	54.8	1.0	61.5	- 1.1	71.2	1.2	69.0	1.1	59.2	1.8	46.8	1.2	28.9	2.2	12.7	- 0.9	40.0	0.0	
EAST CENTRAL DIVISION	8.0	2.1	10.8	- 0.2	16.3	- 7.8	41.0	- 0.9	56.0	0.8	62.8	- 1.4	70.5	- 0.7	70.1	1.2	60.4	1.9	47.4	1.2	29.6	2.4	10.2	- 2.8	40.3	- 0.3	
SOUTHWEST DIVISION	13.3	- 0.4	15.1	- 2.1	22.4	- 3.6	42.8	0.0	53.8	- 0.5	61.0	- 1.5	72.9	1.9	68.4	- 0.3	60.0	1.9	46.7	0.2	29.5	-	0.2	19.1	- 0.7	42.1	- 0.4
SOUTH CENTRAL DIV	11.2	0.3	13.2	- 2.0	19.0	- 6.6	43.9	0.4	55.5	0.0	62.4	- 1.6	73.8	1.9	70.4	0.7	59.9	0.5	47.5	0.2	29.7	0.3	17.2	- 0.5	42.0	- 0.5	
SOUTHEAST DIVISION	10.3	1.5	11.7	- 1.4	16.3	- 9.2	42.4	- 0.5	55.7	0.1	62.7	- 1.9	71.8	0.2	70.2	0.8	60.4	1.3	48.2	1.2	30.9	2.2	12.3	- 3.3	41.1	- 0.7	

For descriptions of unusual weather in 1960, please refer to the February, March, July, September, and October issues of Climatological Data, North Dakota Section.

Table 2

TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

NORTH DAKOTA
1960

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
ABERCROMBIE	.61		.26		.24		4.33		1.26		4.13		2.79		4.26		1.07		1.37		1.09		.95		22.36	
ADAMS 7 S	.92		.08		.35		1.64		2.37		2.98		.15		3.85		.42		1.00		.24		.27		14.27	
ALEXANDER 2 SW													.92		2.23		.02		.08				.23		14.61	
ALMONT 7 SW	.32		.12		.43		.66		2.70		5.05		1.36		3.22		.30		.08		.14		.23		11.07	
AMBROSE 3 N	.49		.11		.34		.36		2.37		3.30		1.03		2.39		.08				.43		.17		E11.07	
AMENIA	.37		.24		.42		2.24		1.66		2.63		2.81		3.61		.18		1.83		.31		.95		17.25	
AMIDON	.16		.13		.44		.50		3.73		3.32		2.36		2.14		.17		.20		.51		.70		14.36	
ARVILLA STATE PARK	.38		.22		.48		1.25		2.48		2.81		1.02		4.69		.87		1.70		.50		.63		E17.03	
ASHLEY	.33	-.18	.29	-.15	.29	-.48	.40	-.8	3.60	1.62	2.58	-1.25	2.15	-.50	3.84	1.65	.78	-.45E	.21	-.73	.20	-.22	.65	.37	E15.32	-1.18
BALTA	.72		.06				.74		3.34		1.07		.36		5.28		.13		.18		.26		.51		13.15	
BEACH	.33		.18		.39		.30		1.49		2.08		.90		1.68		.10		.18		.57		.25		8.45	
BELCOURT INDIAN RES	.62		.11		.49		.89		3.86		1.33		.92		3.73		.36		.32		.34		.63		13.60	
BELFIELD	.34		T		.34		.32		2.94		3.52		.89		3.91		.16		.03		.55		.29		E13.29	
BERTHOLO	.78		.16		.34		1.08		2.25		1.21		1.58		2.79		.12		.12		.42		.42		11.15	
BEULAH	.22		.14		.42		.76		4.14		2.82		.98		2.91		.22		.03		.54		.06		13.24	
8158EE	1.43		.18		.47		.85		3.71		.92		.67		3.64		.16		.70		.65		1.67		E15.05	
815MARCK W8 AIRPORT//R	.35	-.01	.15	-.30	.67	-.09	.41	-.98	2.89	.95	3.40	.07	.68	-1.65	3.81	2.31	.29	-1.14	.10	-.90	.40	-.13	.89	.49	14.04	-1.38
815MARCK 12 ENE	.24		.02		.54		.28		3.31		3.48		1.31		2.54		.88		.04		.06		.16		E12.88	
BOTTINEAU	.38	-.08	.14	-.21	.31	-.43	1.03	.07	3.56	1.59	2.82	1.53	-1.02	2.53	.71		.40	-1.22	.07	-.71	.17	-.22	.30	-1.0	11.91	-4.44
BOWBELLS	.84		.04		.71		1.25		2.41		1.22		.64		2.53		.40				.40		.15		10.59	
BOWMAN COURT HOUSE	.34		.13		.20		.36		3.27		4.54		.62		3.03		.12		.08		.41		.37		E13.47	
BOWMAN 13 SE	.31		.22		.21		.54		3.36		3.32		.30		3.99		.26		.30		.31		.26		15.45	
BREIEN					.71				2.72		1.86		.89		3.34		.69				.03					
BUTTE	.60		.18		.31		.75		5.02		2.24		1.89		4.64		.20		.25		.33		.38		16.76	
CARRINGTON	.70	.18	.23	-.19	.27	-.47	1.38	-.02	4.93	2.64	2.96	-.68	2.06	-.58	2.65	.75	.56	-.90	.85	-.30	.11	-.47	1.05	.64	17.81	.60
CARSON	.21	-.32	.03	-.48	.38	-.73	.71	-.70	3.75	1.39	2.29	-1.58	2.62	.53	2.13	.62	.93	-.41	T	-1.02	.18	-.37	.43	.08	13.70	-2.99
CAVALIER	.60		.15		.47		2.03		.91		2.18		.81		3.28		.52		1.40		.46		.87		13.68	
CENTER	.61		.2		.72		.41		4.65		3.62		.55		4.23		.10		.10		.51		.58		16.36	
COLGATE	.34		.23		.91		.24		3.94		2.32		3.69		1.52		1.39		.23		.47		.57		17.87	
COLUMBUS	.39		.04		.32		1.27		1.08		1.36		1.24		2.98		.46		.02		.18		.19		10.39	
COOPERSTOWN	.63	.16	.35	-.28	.32	-.46	1.09	-.08	3.26	.90	2.65	-.73	2.96	.45	3.94	1.37	1.28	-.47	1.15	.01	.52	-.13	1.13	.56	19.28	1.30
COURTENAY	.60	-.02	.31	-.17	.23	-.65	.53	-.72	2.69	.54	2.76	-.53	1.03	-1.48	3.40	1.12	.57	-1.00	.47	-.64	.27	-.33	1.50	.91	14.36	-2.97
CROSSBY	.61	.25	.04	-.30	.18	-.44	.58	-.21	1.57	-.07	2.21	-1.08	.81	-1.32	2.15	.30	.52	-.57	T	-.83	.47	.07	.24	-.17	9.38	-4.37
DEVILS LAKE W8 CITY R	.52		.16	-.27	.60	-.13	1.00	-.44	4.11	1.98	2.34	-.84	1.63	-1.04	3.16	.99	.16	-1.91	.60	-.68	.50	-.17	1.21	.73	16.39	-1.24
DICKINSON FAA AP //R	.28		.05		.43		.35		2.03		2.69		1.50		1.81		.20		.10		.65		.22		10.31	
DICKINSON EXP STATION	.13	-.35	.12	-.33	.58	-.18	.35	-1.01	2.23	.22	3.08	-.92	.58	-1.42	2.16	.40	.14	-.99	T	-.86	.72	.17	.14	-.18	10.23	-5.45
ODDYSBROOK	.63		T		.44		.79		1.90		1.22		.95		1.77		.06		.02		.11		.15		8.02	
ORAKE	.54	.09E	.14	-.24	.31	-.39	.41	-.80	6.64	2.80	2.60	-1.13	.05	-.58	1.66	.34	.34	-1.07	.15	-.71	.14	-.49	.95	.58	E16.02	-.28
OUNN CENTER 2 SW	.21	-.22	.12	-.27	.36	-.29	.32	-.94	2.78	.79	3.11	-.74	1.19	-1.15	2.74	.77	.10	-1.14	.06	-.75	.64	.18	.23	-.04	11.86	-3.80
ECKMAN 2 SE	.71		T		.22		1.02		2.84		.76		1.20		2.65		T		T		.17		.25		9.82	
EDGELEY EXP FARM	.37	-.07	.17	-.28	.36	-.40	1.24	-.29	6.50	4.12	3.61	-.15	1.08	-1.49	5.18	3.24	.51	-.92	.65	-.30	.50	.04	.53	.19	20.70	3.69
EDMORE 1 N	.18		.04		.18		.50		3.08		2.36		.69		4.01		.31		.98		.06		.38		13.17	
ELLENDALE	.47	-.07	.42	-.20	.53	-.47	1.70	-.24	5.72	3.50	3.30	-.55	1.03	-1.81	4.16	1.67	.72	-.64	.16	-.62	.81	.18	.70	.19	20.02	.94
ENDERLIN	.67		.14		.10		2.98		2.71		4.22		1.25		3.17		.83		.49		.15		1.15		18.94	
EPPING	.57		.39		.31		1.01		1.61		3.08		1.41		1.39		.03		.04		.49		.47		10.80	
FAIRFIELD	.47		.37		.13		2.72		4.41		.36		.36		2.69		.14		.04		.39		.31		12.20	
FARGO W8 AIRPORT //R	.17	-.43	.06	-.63	.11	-.78	3.62	1.74	1.71	-.46	1.82	-1.22	2.40	.09	3.91	1.18	1.26	-.46	1.34	.08	1.63	.76	1.01	.41	19.04	.28
FESSENDEN	.55	-.02	.20	-.31	.56	-.22	1.17	-.17	5.05	2.91	1.88	-.12	1.09	-1.73	3.45	1.48	1.16	-1.31	.65	-.39	.27	-.41	1.45	.92	17.78	.57
FLASHER	.26		.04		.40		.65		2.51		1.85		1.22		1.70		.07		.06		.43		.26		9.67	
FORBES 13 NW	.48		.54		.49		.84		4.45		4.80		1.07		3.06		1.07		.42		.05		.58		18.27	
FORMAN	.75	.26	.31	-.26	.56	-.36	2.81	.90	3.41	.86	4.16	.24	1.66	-1.47	4.21	2.02	1.16	-.26	1.21	.04	.56	-.08	.86	.34	21.66	2.23
FORT YATES	.20	-.19	.09	-.36	.50	-.30	.84	-.53	3.67	1.57	1.68	-1.90	1.53	-.48	2.49	.75	.66	-.52	.04	-1.08E	.05	-.31E	.82	.57	E12.57	-2.78
FOXHOLM 7 N	.56	-.04	.16	-.36	.17	-.37	1.94	.35	1.91	.07	1.10	-2.42	1.23	-.75	3.09	.99	.14	-1.10	T	-.78	.19	-.38	.30	-.11	9.66	-5.60
FULLERTON	.29	-.98	.35	-.60	.49	-.77	1.54	-.61																		

TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

NORTH DAKOTA
1960

Table 2-Continued

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
NEW ENGLAND	.32	-.11	.06	-.51	.72	-.19	.33	-1.18	2.83	-.95	4.03	-.03	1.34	-1.05	2.18	-.60	.32	-.83	.13	-.72	.60	-.08	.49	.11	13.15	-3.24
NEW SALEM 1 SE	.19	-.06	.23	-.25	.64	-.17	.51	-.78	3.84	1.82	4.23	-.69	1.23	-.98	2.56	-.86	.40	-.90	.04	-.72	.76	-.21	.48	.18	14.91	-.52
NEWTOWN	.42	-.08	.14	-.30	.41	-.16	.63	-.58	1.09	-.57	3.22	-.39	.48	-1.49	2.14	-.46	.08	-1.16	.13	-.61	.74	-.36	.25	-.14	9.21	-5.38
OAKES	1.15	.66	.46	-.13	.51	-.42	3.25	1.52	3.81	1.49	3.42	-.26	1.48	-.81	11.41	9.37	1.77	-.52	.92	-.17	.60	-.03	.66	.16	29.44	11.90
PARK RIVER	.68	.32	.25	-.11	.24	-.50	2.15	.83	2.04	.25	2.24	-.82	.24	-2.65	9.08	2.69	.85	-1.28	1.55	.44	.16	-.47	.52	.17	16.70	-.98
PARSHALL	.36	-.04	.15	-.16	.28	-.19	.50	-.65	1.13	-.89	1.89	-1.65	.94	-1.67	2.33	-.66	.07	-1.37	.16	-.56	.21	-.28	.72	-.76	8.24	-6.66
PENBINA	.36	-.22	.30	-.14	.59	-.13	2.14	-.93	1.29	-.60	2.24	-.83	2.12	-.80	3.51	-.68	.30	-2.15	2.14	-.96	.46	-.26	.85	.65	16.30	-2.16
PETERSBURG	.61	.19	.20	-.23	.21	-.48	.98	-.17	2.58	.55	2.10	-1.05	.49	-2.19	5.03	2.53	.48	-1.30	1.08	-.09	.19	-.38	.93	.40	14.76	-2.22
PETTSBORO	.38	-.09	.13	-.37	.38	-.41	.81	-.58	3.88	1.77	2.95	-.06	1.12	-1.60	3.36	1.21	1.46	-.18	.74	-.41	.21	-.29	.99	.61	16.41	-.40
PORTAL	.45	.02	T	-.44	.41	-.26	1.03	.20	2.16	.28	1.18	-2.60	1.71	-.39	2.08	-.19	.24	-1.00	T	-.75	.34	-.13	.13	-.31	E 9.73	-5.57
POWERS LAKE 1 N	.70	.02	.51	.84	.34	1.64	.84	3.79	1.77	1.44	1.61	2.14	1.61	2.14	1.13	.03	.20	.03	.38	.20	.38	.20	.38	.20	E 9.44	
PRETTY ROCK	.78	.02	.10	.77	.10	.77	.10	.77	1.91	1.76	1.91	1.76	1.91	1.76	4.01	.77	.20	.03	.38	.20	.38	.20	.38	.20	13.70	
RAUB 10 SSW	.41	.17	.29	.52	.30	.69	.30	.69	3.69	5.42	.92	2.49	.92	2.49	2.49	.56	.11	.22	.42	.42	.42	.42	.42	.42	15.27	
REEDER	.12	T	.30	.41	.30	.41	.30	.41	2.78	3.63	1.48	1.67	1.48	1.67	2.84	.28	.10	.41	.11	.11	.11	.11	.11	.11	12.46	
REEDER 14 N																										
RICHARDSON ABBEY	.32	-.24	.14	-.41	.37	-.68	.44	-.98	3.07	1.05	4.48	.49	.74	-1.85	2.34	.55	.24	-.90	.07	-.76	.50	-.32	.33	-.03	13.08	-4.08
RIVERDALE	.29	.09	.09	.34	.18	.60	.60	.34	3.64	2.59	3.64	2.59	.70	.70	5.34	.48	.10	.38	.14	.29	.14	.29	.14	.29	14.72	
ROLLA	.78	.10	.60	.60	1.12	.32	1.34	.32	1.34	.32	1.34	.32	.76	.76	3.76	.48	.48	.30	.38	.64	.64	.64	.64	.64	13.50	
ROLLA	.29	.09	.09	.34	.18	.60	.60	.34	3.64	2.59	3.64	2.59	.70	.70	5.34	.48	.10	.38	.14	.29	.14	.29	.14	.29	14.72	
RUGBY	.85	.27	.05	-.34	.50	-.28	.83	-.20	3.76	2.00	.86	-2.51	1.09	-1.56	4.95	2.74	.32	-.99	.24	-.57	.31	-.22	.64	.11	14.40	-1.55
RYDER	.34	.10	.43	.61	.43	.61	.43	.61	1.79	1.99	1.67	1.67	1.67	1.67	2.70	.28	.10	.41	.11	.11	.11	.11	.11	.11	10.31	
SAN HAVEN	.52	.03	.03	-.37	.42	-.16	1.03	.16	3.26	1.34	1.98	-1.53	1.44	-1.41	3.58	1.20	.42	-.97	.24	-.48	.29	-.14	.38	-.02	13.59	-2.35
SELFIDGE 5 W	.29	.05	.32	.45	.32	.45	.32	.45	3.82	1.66	1.66	1.66	1.88	1.88	4.20	.69	.17	.00	.46	.23	.46	.23	.46	.23	13.09	
SENTINEL BUTTE 20 S	.30	.12	.57	.44	.57	.44	.57	.44	1.98	4.03	3.02	1.77	1.77	1.77	1.77	.17	.17	.17	.17	.17	.17	.17	.17	.17	15.27	
SHARON	.50	-.02	.28	-.19	.15	-.73	1.38	-.06	3.54	.90	2.87	-.49	3.47	.81	2.85	.11	1.07	-.76	1.33	.08	.30	-.44	.55	.03	18.29	-.76
SHERWOOD 3 N	.44	.10	.45	.95	.45	.95	.45	.95	2.69	1.11	2.65	2.65	2.65	2.65	2.65	.04	.04	.04	.04	.04	.04	.04	.04	.04	12.15	
SHIELDS	.21	T	.36	.61	.36	.61	.36	.61	2.59	1.85	.76	3.29	.76	3.29	3.29	.78	.23	.13	.26	.13	.26	.13	.26	.13	10.81	
SHIELDS	.55	.12	.46	.12	.46	.12	.46	.12	2.00	1.61	1.61	1.61	2.37	2.37	2.00	.23	.23	.23	.23	.23	.23	.23	.23	.23	11.01	
STANLEY	.45	.01	.26	-.34	.26	-.34	1.23	-.09	5.82	3.56	1.96	-1.92	2.08	-.43	3.27	1.23	.12	-1.59	.23	-.97	.18	-.27	.46	.14	16.06	-1.04
STEELE	.55	.08	.43	.43	.43	.43	1.00	.47	4.72	3.32	.85	2.43	.85	2.43	2.43	.57	.78	.11	.11	.11	.11	.11	.11	.11	15.38	
SYKESTON	.61	.10	.49	.49	.49	.49	1.29	.20	2.09	1.66	1.43	1.43	1.43	1.43	2.80	.25	.25	.25	.25	.25	.25	.25	.25	.25	11.43	
TAGUS	.21	T	.36	.61	.36	.61	.36	.61	2.59	1.85	.76	3.29	.76	3.29	3.29	.78	.23	.13	.26	.13	.26	.13	.26	.13	10.81	
TIOGA 1 E	.85	.30	.40	.96	.40	.96	.40	.96	1.64	1.99	1.05	1.05	1.05	1.05	1.89	.78	.23	.13	.26	.13	.26	.13	.26	.13	9.37	
TOWNER	.71	.14	T	-.45E	.45	-.51	1.07	-.28	3.96	1.98	.53	-3.19	.59	-1.70	3.70	1.46	.35	-1.07	T	-.79	.26	-.37E	.59	.06	E 12.15	-4.72
TROTTERS 3 S	.19	-.35	.11	-.33	.45	-.30	.23	-.82E	1.54	-.30	.41	.07	1.00	-1.06	1.77	.09	.04	-1.12	.21	-.53	.39	-.15	.48	-.14	E 9.25	-4.94
TURTLE LAKE	.68	.11	.24	.57	.24	.57	.24	.57	3.66	4.41	.49	4.41	.49	4.41	4.41	.14	.14	.14	.14	.14	.14	.14	.14	.14	15.70	
TUTTLE	.40	.03	.45	.77	.45	.77	.45	.77	5.85	2.98	1.63	1.63	1.63	1.63	3.27	1.07	.10	.36	.06	.42	.06	.42	.06	.42	E 17.29	
UNDERWOOD 4 ESE	.47	.11	.44	.54	.44	.54	.44	.54	4.56	3.40	1.17	3.16	1.17	3.16	3.16	.14	.05	.32	.22	.41	.22	.41	.22	.41	14.94	
UPHAM 3 N	.45	.04	.42	.51	.42	.51	.42	.51	3.19	.93	.75	3.28	.75	3.28	3.28	.05	.05	.05	.05	.05	.05	.05	.05	.05	10.44	
VALLEY CITY	.42	-.04	.35	-.14	.17	-.58	1.05	-.37	3.05	.70	2.05	-1.25	1.17	-1.66	6.06	3.73	.63	-.67	1.33	.15	.41	-.33	.99	.48	17.88	-.04
VELVA	.67	.10	.09	-.34	.22	-.49	.77	-.52	3.78	1.62	1.62	-2.03	2.53	-.03	5.41	3.30	.25	-1.08	.05	-.75	.33	-.36	.58	.12	16.30	-.46
VERONA	.76	.42	.21	.19	.21	.19	1.19	.31	3.19	3.13	1.71	5.42	1.71	5.42	5.42	.14	1.42	.96	.96	.96	.96	.96	.96	.96	19.93	
WAMPETON	.48	-.12	.22	-.35	.22	-.64	4.63	2.64	1.68	-.96	5.00	1.43	1.21	-1.83	4.29	1.26	1.17	-.44	1.21	.06	1.62	.91	.88	.27	22.61	2.23
WALHALLA	.56	.13	.13	.56	.13	.56	1.69	1.78	2.15	1.39	.19	2.84	.19	2.84	2.84	.09	.09	.09	.09	.09	.09	.09	.09	.09	15.33	
WARICK	.56	.03	.18	.63	.18	.63	.35	.35	3.52	2.58	2.05	2.97	2.05	2.97	2.97	.09	1.24	.21	.21	.21	.21	.21	.21	.21	15.19	
WASHBURN	.73	.33E	.19	-.21	.30	-.39	1.09	-.23	4.68	2.93	4.96	1.27	1.82	-.53	3.54	1.76	.10	-1.22	.45	-.37	.43	-.06	.10	-.22	E 18.39	3.06
WATAUGA 5 OAKOTA 8 N	.28	.19	.65	.54	.65	.54	.44	.44	4.14	1.27	1.07	3.53	1.07	3.53	3.53	.85	.85	.85	.85	.85	.85	.85	.85	.85	13.53	
WAYFORD CITY	.59	-.02	.25	-.30	.67	-.18	.85	-.48	2.66	.81	3.35	-.23	.84	-1.52	3.33	1.78	.08	-1.17	.14	-.82	.84	.28E	.31	-.18	E 13.91	-2.03
WAYFORD CITY 14 S	.23	.10	.46	.46	.46	.46	.46	.46	2.15	1.39	.19	2.84	.19	2.84	2.84	.09	.09	.09	.09	.09	.09	.09	.09	.09	8.50	
WESTHOPE	.93	.04	.51	.99	.51	.99	.99	.99	2.24	.43	2.41	.43	2.41	.43	3.66	.66	.66	.66	.66	.66	.66	.66	.66	.66	11.74	
WILDRO																										

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

NORTH DAKOTA
1960

Station	Highest	Date	Lowest	Date	Last spring minimum of								First fall minimum of								Number of days between dates																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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ALMONT 7 SW	102	7-20	-21	1-5	4-9	16	4-9	16	4-26	22	4-30	26	5-7	29	9-30	30	10-2	28	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-19	6	10-

TEMPERATURE EXTREMES AND FREEZE DATA

NORTH DAKOTA
1960

Table 3—Continued

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates					
					16 or below		20 or below		24 or below		28 or below		32 or below		32 or below		28 or below		24 or below		20 or below		16 or below		16 or below	20 or below	24 or below	28 or below	32 or below	
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.								
ROLLA	100	7-20	-29	1-5	4-9	11	5-3	19	5-4	24	5-6	27	5-11	32	9-23	31	10-15	28	10-17	23	10-19	16	10-19	16	193	169	166	167	135	
RUGBY	105	7-20	-26	12-27	4-9	15	4-29	20	4-29	20	5-6	28	5-11	31	9-17	32	9-30	28	10-15	21	10-19	9	10-19	9	193	173	169	147	129	
SAN HAVEN	99	7-24+	-31	1-5	4-9	10	4-29	20	5-3	24	5-4	25	5-6	29	-22	29	10-15	25	10-18	23	10-19	14	10-19	14	193	173	168	164	139	
SHARON	93	8-22+	-26	12-27	4-9	11	4-30	19	5-3	24	5-7	27	5-11	32	9-30	28	9-30	28	10-19	19	10-19	19	11-9	9	7	214	172	169	146	142
STANLEY	105	7-20	-24	1-5	3-24	2	4-26	20	4-26	20	5-7	28	5-7	28	9-17	28	9-17	28	9-30	22	10-19	4	10-19	4	209	176	157	133	133	
STEELE	101	8-22	-24	1-5	4-9	16	4-9	16	4-30	22	5-11	28	5-11	28	-17	32	9-30	24	9-30	24	10-19	5	10-19	5	193	193	153	142	129	
TIOGA 1 E	105	7-21	-30	1-5	3-25	4	4-27	20	5-7	23	5-7	23	6-5	29	9-11	28	9-11	28	9-30	24	10-15	17	10-19	1	208	171	146	127	98	
TOWNER	105	7-20	-28	1-5	4-9	15	4-29	20	5-4	23	5-7	25	5-9	32	9-13	30	9-17	26	9-30	22	10-15	19	10-19	4	193	169	149	133	127	
TROTTERS 3 S	109	7-20	-24	3-4	3-24	16	4-8	20	4-30	24	4-30	24	5-16	31	9-30	27	9-30	27	10-18	21	10-19	7	10-19	7	209	194	171	153	137	
TURTLE LAKE	103	7-20	-24	1-5	4-9	16	4-26	20	4-29	23	5-7	27	5-10	30	9-27	31	9-30	26	10-18	23	10-19	6	10-19	6	193	176	172	146	140	
UNDERWOOD 4 ESE	103	7-20	-24	1-5	4-9	16	4-26	20	4-29	22	5-7	28	5-11	32	9-27	31	9-30	28	10-19	7	10-19	7	10-19	7	193	176	173	146	139	
UPHAM 3 N	108	7-20	-34	1-4	4-9	16	4-9	16	5-6	22	5-16	28	6-5	32	9-13	31	9-17	25	9-30	22	10-14	17	10-15	13	189	188	147	124	100	
VALLEY CITY	96	8-22	-31	12-27	4-9	10	4-9	10	5-8	24	-	-	-	-	9-25	32	9-27	28	10-17	24	10-19	19	11-9	10	214	193	162	-	-	
VELVA	102	7-23+	-27	12-27	4-9	16	4-9	16	5-7	24	5-7	24	5-17	29	9-13	32	9-27	28	10-15	22	10-19	8	10-19	8	193	193	161	143	119	
WAMPETON	99	7-22+	-26	12-27	4-9	14	4-9	14	4-30	23	4-30	23	5-12	32	9-30	30	10-19	22	10-19	22	11-9	15	11-9	15	214	214	172	172	141	
WASHBURN	104	7-20	-22	1-5	3-24	7	-	-	-	5-7	28	5-11	32	9-27	30	10-15	28	10-18	14	10-18	14	10-18	14	208	-	-	161	139		
WATFORD CITY	110	7-20	-22	1-5	3-24	12	4-26	18	4-26	18	5-7	28	5-7	28	9-17	32	9-30	27	10-15	24	10-19	5	10-19	5	209	176	172	146	133	
WATFORD CITY 14 S	110	7-20	-29	3-4	3-24	12	4-16	20	5-7	22	5-10	28	5-16	30	9-17	27	9-17	27	10-14	20	10-14	20	10-19	3	209	181	160	130	124	
WESTHOPE	104	7-20	-32	1-4	4-9	16	4-29	20	5-3	24	5-6	25	5-7	32	-	-	-	-	10-14	22	10-15	18	10-19	4	193	169	164	-	-	
WILLISTON WB CITY	106	7-20	-22	1-5	3-24	13	4-26	19	4-26	19	4-27	25	5-7	31	9-22	32	10-15	24	10-15	24	10-18	18	10-19	7	209	175	172	171	138	
WILLISTON EXP FARM	105	7-20	-28	3-4	3-25	16	4-26	17	4-27	21	4-30	27	5-7	31	9-22	32	10-14	28	10-15	23	10-19	5	10-19	5	208	176	171	167	138	
WILLOW CITY	107	7-20	-36	12-27	4-9	15	5-3	19	5-4	23	5-11	27	5-16	32	9-13	29	9-22	23	10-19	9	10-19	9	193	169	141	134	120			
WILTON	102	7-23+	-	-	4-9	16	4-26	20	4-29	23	5-3	28	5-7	30	9-30	24	9-30	24	9-30	24	10-18	16	10-18	16	192	175	154	150	146	
WISHEK	-	-	-27	2-19	4-30	14	5-11	19	5-11	19	5-11	19	5-21	32	9-12	30	9-13	27	9-27	23	9-30	17	10-19	4	172	142	139	125	114	

TOTAL EVAPORATION AND WIND MOVEMENT

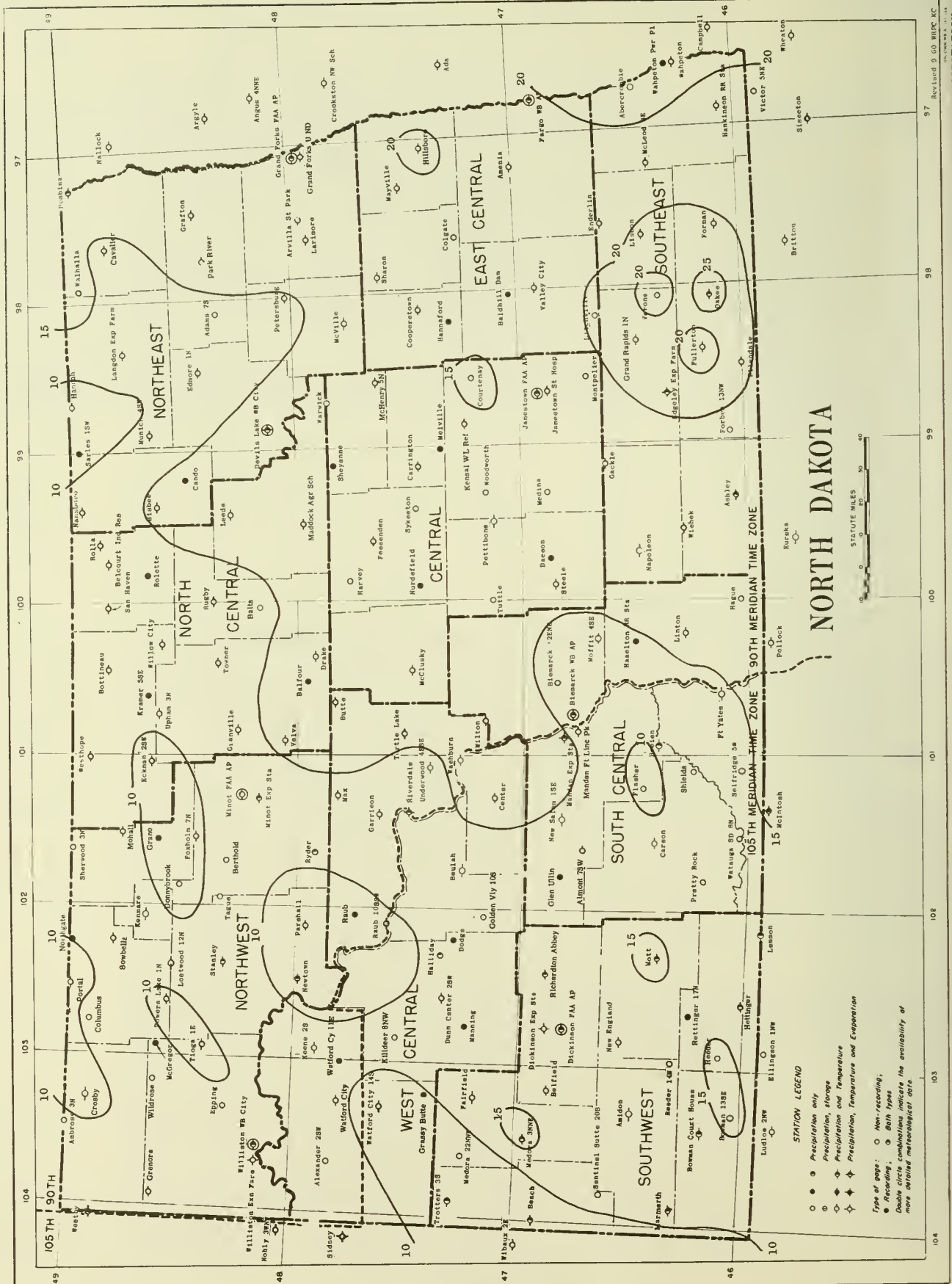
Table 4

Station		Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
DEVILS LAKE WB CITY	EVAP	-	-	-	-	8 5.89	8 6.56	7.32	5.59	4.03	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	1558	1469	1063	1118	1224	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
DICKINSON EXP STATION	(A) EVAP	-	-	-	-	8 7.77	8 7.47	10.06	9.10	6.95	-	-	-	-
	DEP	-	-	-	-	+2.16	+1.38	+2.09	+1.85	+1.97	-	-	-	-
	WIND	-	-	-	-	3750	3260	2590	3130	2880	-	-	-	-
	MAX	-	-	-	-	69.3	77.2	89.0	82.0	73.0	-	-	-	-
EDGELEY EXP FARM	EVAP	-	-	-	8 4.56	8 7.28	6.62	7.94	8 7.59	5.32	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	8 3884	2784	1894	1516	2007	1965	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
MANDAN EXP STATION	(A) EVAP	-	-	-	8 4.21	8 5.43	8 5.58	7.15	6.48	8 4.92	-	-	-	-
	DEP	-	-	-	+0.59	+0.09	-0.35	-0.18	-0.09	+0.41	-	-	-	-
	WIND	-	-	-	5274	4132	3374	2157	3038	2924	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
RIVERDALE	EVAP	-	-	-	-	7.51	7.41	8 9.05	8 8.69	5.88	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	3944	3222	2119	3051	3012	-	-	-	-
	MAX	-	-	-	-	68.4	75.4	86.4	79.7	70.0	-	-	-	-
WILLISTON EXP STATION	EVAP	-	-	-	-	7.96	9.45	10.94	8 9.94	8 8.78	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	3279	3134	1727	2654	2632	-	-	-	-
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.
MAX AND MIN IN TABLE 4 REFER TO AVERAGE MAXIMUM AND AVERAGE MINIMUM TEMPERATURE OF WATER IN PAN.

TOTAL PRECIPITATION

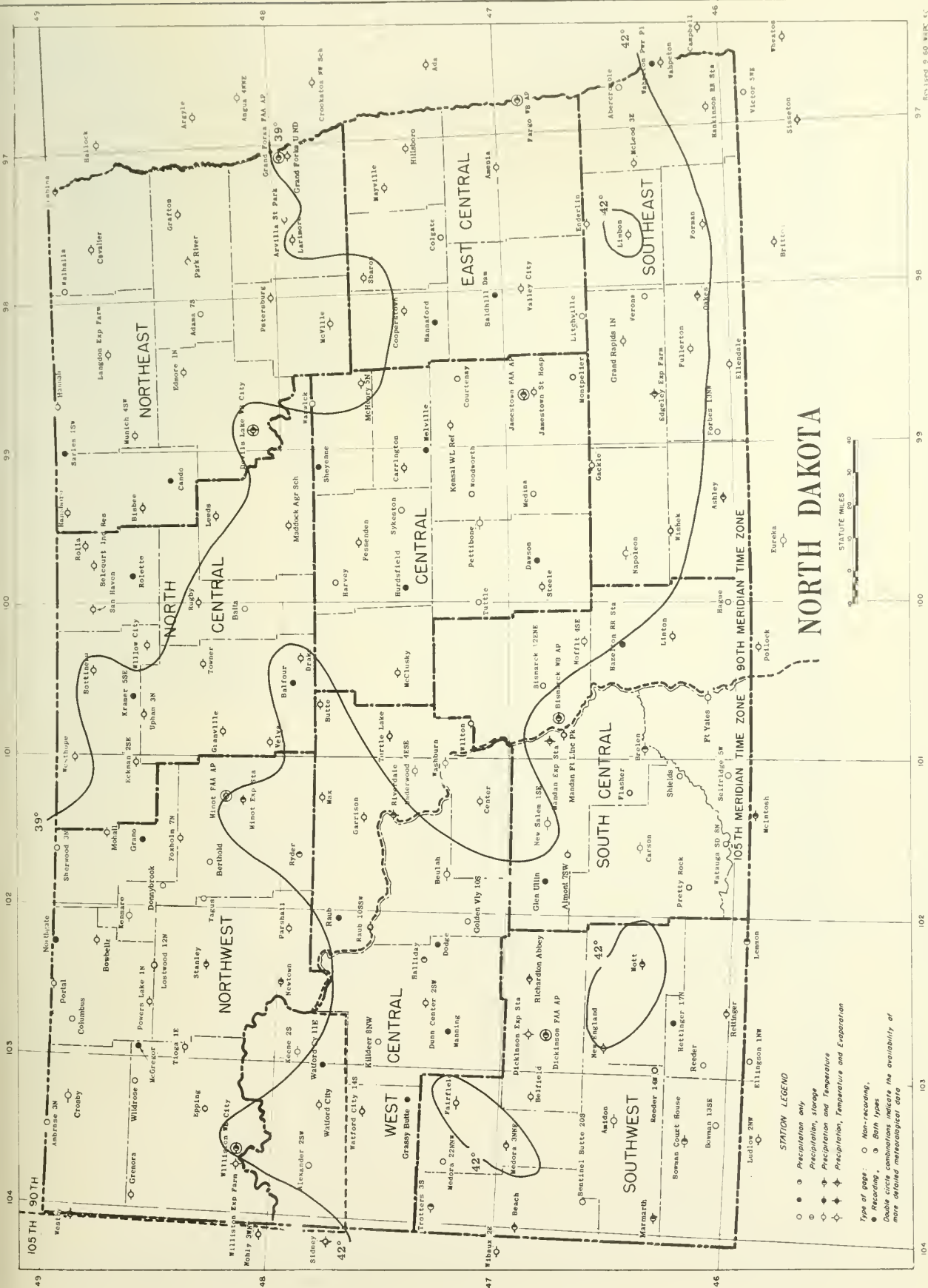
1960



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION"

AVERAGE TEMPERATURE

1960



STATION LEGEND

- Precipitation only
- Precipitation, storage
- ◊ Precipitation and Temperature
- ◆ Precipitation, Temperature and Evaporation

Type of page: ○ Non-recording,
● Recording, ◊ Both types
Double circle combinations indicate the availability of more detailed meteorological data

ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

STATION INDEX

NORTH DAKOTA
1960

Station	Index No.	County	Drainage ¹	Latitude	Longitude	Elevation	Temp.	Precip.	Evap.	Years of record	Month opened	Month closed	Refer to tables
ARECROWIE	0005	RICHLAND	10	46 27 96 45	935					4			2
ADAMS T S	0022	WALSHE	10	46 20 98 06	1554					10			2
ALEXANDER 2 SW	0096	MCKENZIE	13	47 50 103 40	2170					1			2
ALMONT T SW	0136	MORTON	4	46 43 101 39	2300	18				18			1
AMHROSE 3 N	0169	OTWINE	12	49 00 103 28	2027					1			2
AMENIA	0196	CASS	11	47 00 97 13	960	11				11			1
AMIDON	0209	SLORE	1	46 29 103 19	2910	39				39			1
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 56 97 30	960	17				17			1
ASHLEY	0382	MCINTOSH	8	46 02 99 22	2001	65				65			1
BALDWIN DAM	0450	BARNES	11	47 02 98 02	1300								1
BALFOUR	0492	MCNEARY	12	47 57 100 32	1615								1
BALTA	0500	PIERCE	11	48 10 100 02	1550					-			1
BEACH	0500	GOLDEN VALLEY	7	46 55 104 01	2824								1
BELOFT INDIAN RES	0626	ROLETTE	9	48 50 99 45	1960	16				16			1
BELOFT	0639	STARK	4	46 53 103 11	2353	43				43			1
BERTHOLD	0729	WARD	12	48 19 101 44	2080								1
BEULAH	0766	MERCER	6	47 16 101 47	1780					-			1
BISBEE	0796	TOWNER	2	48 37 99 22	1608	58				58			1
BISMARCK W R AIRPORT	0819	BURLEIGH	8	46 46 100 45	1850	21				21			1
BISMARCK 12 ENE	0827	BURLEIGH	8	46 51 100 33	1709								1
ROTTINEAU	0941	ROTTINEAU	12	48 50 100 27	1640	69				69			1
ROHELLS	0961	BURKE	12	48 48 102 15	1953	35				35			1
ROHMAN COURT HOUSE	0985	ROHMAN	3	46 11 103 23	2980	46				46			1
ROHMAN	0998	ROHMAN	3	46 02 103 18	2830	9				9			1
ROHMAN 13 SE	1052	SIOUX	1	46 24 100 56	1720	1				1			1
RURT 16 N	1216	HETTINGER	1	46 36 102 08	2344	8							1
RUTTE	1225	MCLEAN	12	47 50 100 40	1885	36							1
CANDO	1288	TOWNER	2	48 29 99 12	1681								1
CARRINGTON	1360	FOSTER	5	47 27 99 08	1566	63				63			1
CARSON	1370	GRANT	4	46 25 101 34	2310	49				49			1
CAVALIER	1435	PEMBINA	9	48 48 97 38	889	25				25			1
CENTER	1456	OLIVER	8	47 07 101 18	2100	23				23			1
COLGATE	1686	STEELE	10	47 14 97 39	1180	27				27			1
COLUMBUS	1696	BURKE	12	48 54 102 47	1930	10				10			1
CORBERSTOWN	1766	GRIGGS	11	47 26 98 07	1428	64				64			1
COURTNEY	1816	STUTSMAN	5	47 13 98 34	1523	27				27			1
CROSBY	1871	OTWINE	12	48 54 103 18	1952	54				54			1
DAWSON	2018	KIDDER	8	46 52 99 45	1730								1
DEVILS LAKE W R CITY	2158	RANNEY	2	48 07 98 52	1471	56				56			1
DICKINSON FAA AIRPORT	2183	STARK	4	46 47 102 48	2555	20				20			1
DICKINSON EXP STATION	2188	STARK	4	46 53 102 48	2460	69				69			1
EDGELEY	2215	DUNN	6	47 18 102 12	1989								1
EDGELEY EXP FARM	2242	WARD	12	48 31 101 53	1760	10				10			1
EDMORE 1 N	2258	MCNEARY	12	47 55 100 22	1634	31				31			1
ELLENDALE	2298	MCNEARY	6	47 20 102 38	2232	62				62			1
ENDERLIN	2365	DUNN	12	48 39 101 01	1495	54				54			1
ECKMAN 2 SE	2472	ROTTINEAU	12	48 20 98 42	1568	60				60			1
EDGELEY EXP FARM	2482	LA MOURE	2	46 25 98 28	1520	37				37			1
EDMORE 1 N	2525	RANNEY	2	48 25 98 28	1520	37				37			1
ELLENDALE	2605	DICKEY	5	46 00 98 31	1460	62				62			1
ENDERLIN	2695	RANSON	11	46 37 97 36	1120	8				8			1
ERRING	2735	WILLIAMS	8	48 17 103 21	2224	52				52			1
FAIRFIELD	2809	RILLINGS	7	47 11 103 13	2150	5				5			1
FARGO W R AIRPORT	2859	CASS	10	46 54 96 48	895	80				80			1
FESSENDEN	2949	WELLS	5	47 39 99 37	1620	49				49			1
FLASHER	3099	MORTON	1	46 27 101 14	1930	11				11			1
FORBES 13 NW	3064	DICKEY	5	46 04 98 56	1988	9				9			1
FORMAN	3117	SARGENT	10	46 06 97 30	1249	60				60			1
FORT YATES	3207	SIOUX	8	46 06 100 39	1840	61				61			1
FOXHOLM 7 N	3217	WARD	12	48 27 101 34	1609	36				36			1
FULLERTON	3287	DICKEY	5	46 10 98 25	1499	63				63			1
GACKLE	3309	LOGAN	5	46 38 99 08	1951	30				30			1
GARRISON	3376	MCLEAN	8	47 38 101 25	1911	84				84			1
GOLDEN VALLEY 10 S	3496	MORTON	4	46 49 101 49	2090								1
GRAFTON	3594	WALSHE	10	46 25 97 25	827	69				69			1
GRAND FORKS FAA AIRPORT	3616	GRAND FORKS	10	47 56 97 05	832	20				20			1
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10	47 55 97 05	830	10				10			1
GRAND RAPIDS 1 N	3665	LA MOURE	5	46 28 98 21	1360	10				10			1
GRAND	3676	RENVILLE	12	48 37 101 35	1625								1
GRANDVILLE	3686	MCNEARY	12	48 16 100 51	1504	54				54			1
GRASSY BUTTE	3696	MCKENZIE	7	47 24 103 14	2660								1
GRENOUA	3736	WILLIAMS	8	48 37 103 56	2131	52				52			1
HAGUE	3826	EMMONS	8	46 02 100 00	1898	6				6			1
HALLADAY	3846	DUNN	6	47 21 102 20	2048	19				19			1
HANFORD	3908	RICHLAND	10	46 04 96 54	1088	32				32			1
HANNAFORD	3926	GRIGGS	11	47 18 98 12	1428								1
HANNAH	3936	CAVALIER	9	48 59 98 41	1570	67				67			1
HANSHOR	3963	TOWNER	9	48 57 99 23	1500	53				53			1
HARVEY	4013	WELLS	11	47 46 99 55	1595	58				58			1
HAZELTON R R STATION	4083	EMMONS	8	46 29 100 17	1978								1
HETTINGER	4178	ADAMS	3	46 00 102 38	2680	54				54			1
HETTINGER 17 N	4186	ADAMS	1	46 15 102 39	2610								1
HILLSBORO	4203	TRAILL	10	47 24 97 04	901	55				55			1
HURDSFIELD	4343	WELLS	5	47 27 99 55	1915								1
JAMESTOWN FAA AIRPORT	4413	STUTSMAN	5	46 55 98 41	1492	20				20			1
JAMESTOWN STATE HOSP	4418	STUTSMAN	5	46 53 98 41	1457	69				69			1
KEENE 2 S	4571	MCKENZIE	8	47 54 102 56	2346	1				1			1
KENNAW	4644	WARD	12	48 40 102 05	1800	29				29			1
KENSAL WILDLIFE REFUGE	4656	STUTSMAN	5	47 16 98 52	1451	20				20			1
KILLDEER 7 NW	4726	DUNN	7	47 26 102 49	1895	10				10			1
KRAMER 5 SE	4823	ROTTINEAU	12	48 39 100 37	1457								1
LANGDON EXP FARM	4958	CAVALIER	9	48 45 98 20	1615	65				65			1
LARIMORE	5013	GRAND FORKS	10	47 55 97 38	1134	68				68			1
LEEDS	5078	RENSON	2	48 17 99 26	1515	20				20			1
LEFOR 10 E	5088	STARK	4	46 38 102 21	2545	9				9			1
LINTON	5210	EMMONS	8	46 16 100 14	1685	44				44			1
LISBON	5220	RANSON	11	46 26 97 42	1089	57				57			1
LITCHVILLE	5230	BARNES	11	46 39 98 11	1467	9				9			1
LOSTWOOD 12 N	5320	BURKE	12	48 33 102 24	2250	9				9			1
MANDOCK AGRI SCHOOL	5434	RENSON	11	47 58 99 30	1604	46				46			1
MANDAN EXP STATION	5479	MORTON	4	46 48 100 54	1750	47				47			1
MANDAN FT LINCOLN PARK	5484	MORTON	8	46 45 100 52	1674	17				17			1
MANNING													

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office away from you.

Units otherwise indicated, dimensional units used in this bulletin are: Temperature in $^{\circ}\text{F}$, precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 4.

Long term means for full time stations (those with Weather Bureau Weather Bureau Airport, or Weather Bureau City in the station name) are based on the period 1921-1960 adjusted to represent observations taken at the present location. Long-term means for all stations except full time Weather Bureau stations are based on the period 1931-1960.

Climatological divisions outlined on the maps in this bulletin became effective with data for August 1956.

Figures and letters following the station name, such as 18 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried in the June and December issues of Climatological Data.

- No record
- * Also later date (dates) or months.
- * Amount included in following measurement.
- V Includes total for previous month. V in annual column means total is for a two-year period.
- Gage is equipped with a wind shield.
- # Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- H Adjusted to full month.
- C Data for recorder stations denoted by "C" in the Refer to Tables column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder-only stations may be found in the annual issue of "Hourly Precipitation Data".
- F Amount is wholly or partially estimated.
- M One or more days' record missing; if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.

Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest issue of Local Climatological Data annuals, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

USCOMM-WB-ASHEVILLE---2-16-61---975

CHANGES IN STATION NAMES

NEW NAME	FORMER NAME	DATE
ABERCROMBIE	ABERCROMBIE 3 NW	December 8, 1959
ALEXANDER 2 SW	ALEXANDER	June 7, 1960
BREIEN	BREIEN 4 S	October 27, 1959
CARSON	CARSON NO 2	December 3, 1959
KILLDEER 7 NW	KILLDEER 8 NW	October 25, 1960
MEDORA 22 NNW	MEDORA 23 NNW	May 24, 1960
SELFRIDGE 5 W	SELFRIDGE 11 W	October 28, 1959
UNDERWOOD 4 ESE	UNDERWOOD	December 18, 1959

RELOCATION AND CHANGES OF EQUIPMENT

ABERCROMBIE	Rain gage moved 3 miles SE	December 8, 1959
ALEXANDER 2 SW	Rain gage moved 2 miles SW	June 7, 1960
BISMARCK WB AIRPORT	Hygrothermometer installed	November 1, 1959
BREIEN	Equipment moved 4 miles N	October 27, 1959
ECKMAN 2 SE	Temperature equipment removed	October 12, 1960
ELLENDALE	Rain gage moved 10 feet E	May 11, 1960
FARGO WB AIRPORT	Hygrothermometer installed	December 17, 1959
GRAND FORKS FAA AIRPORT	Hygrothermometer installed	November 1, 1959
GRAND FORKS UNIVERSITY	Recording rain gage installed	November 16, 1960
HANSBORO	Equipment moved 3/4 mile ENE	November 4, 1959
KILLDEER 7 NW	Rain gage moved 3 miles E	October 25, 1960
LANGDON EXP FARM	Rain gage moved 35 feet SE	September 22, 1960
MEDORA 22 NNW	Rain gage moved 1 mile S	May 24, 1960
RIVERDALE	Recording rain gage moved 12 feet SE	April 20, 1960
SELFRIDGE 5 W	Rain gage moved 4.5 miles ENE	October 28, 1959
SHARON	Equipment moved 50 feet WNW	November 15, 1960
SHIELDS	Rain gage moved 150 yards W	November 18, 1959
UNDERWOOD 4 ESE	Equipment moved 4 miles ESE	December 18, 1959
WAHPETON	Equipment moved 0.7 mile NW	November 18, 1960

At Hygrothermometer installations: this temperature equipment was installed at a site over sod on the landing area as near as possible to the center of the runway complex but sufficiently distant from buildings and paved areas to minimize or eliminate unfavorable effects.

1.05
NT

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

JANUARY 1961
Volume 70 No. 1



ASHEVILLE: 1961

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NORTH DAKOTA - JANUARY 1961

WEATHER SUMMARY

Temperatures averaged from near normal in the east to about ten degrees above in the western part of the state. Unseasonably warm temperatures prevailed during the first two weeks, followed by quite cold temperatures the next two weeks. Except for an area in the east-central divisions, precipitation was much below normal.

The first two days were cold and below normal. However, warmer air moved in through the western part of the state on the 3d and as a result temperatures were above average until the 20th. In the western part of the state temperatures averaged from 12 to 18 degrees above for that period while the average in the east was from 7 to 12 above. During this period of unseasonably warm weather, temperatures in the western half were generally in the forties and on some occasions in the southwest the highs reached into the fifties. The high of 54 at Bismarck on the 16th set a new high temperature record for that date. For the most part, during this period, minimum temperatures were in the twenties with an occasional low in the thirties.

On the 19th and 20th, cold Arctic air moved across the state from the northeast. This brought about drastic changes and reminded all that winter had returned, for during this period temperatures plunged to well below zero. On the 24th, in many areas in the eastern half of the state the maximums were colder than 10 degrees below zero. On several days the wind movement averaged from 10 to 15 miles per hour, adding to the severity of conditions. Temperatures moderated during the last week.

Many stations failed to receive measurable precipitation during January. Only a few stations received as much as .10 of an inch. It was one of the driest Januaries of record.

Sanford R. Miller
Weather Bureau State Climatologist
Weather Bureau Airport Station
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 55° on the 16th at Mandan Ft Lincoln Park

Lowest Temperature: -41° on the 24th at Belcourt Indian Res

Greatest Total Precipitation: 0.64 inch at Arvilla State Park

Least Total Precipitation: T at Numerous Stations

Greatest one-day Precipitation: 0.34 inch on the 6th at Hannah

Greatest Total Snowfall: 10.5 inches at Arvilla State Park

Deepest Snow on Ground: 19 inches on the 5+ at Courtenay

SUPPLEMENTAL DATA

NORTH DAKOTA
JANUARY 1961

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages percent			Number of days with precipitation								Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
OSMARCK WB AIRPORT	WNW	11	10.2	40	NW	6	67	69	60	58	13	3	0	0	0	0	16	64	7.4
DEVILS LAKE WB CITY	N	-	7.8	24	N	23	-	82	76	79	15	5	1	0	0	0	21	69	6.6
ARGO WB AIRPORT	N	23	15.1	57	NE	23	74	73	72	73	16	3	0	0	0	0	19	58	6.8
ILLISTON WB CITY	W	-	6.3	25	NW	6	-	77	69	66	5	5	0	0	0	0	10	60	6.9

CLIMATOLOGICAL DATA

Station	Temperature										Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days			
										90° or Above	80° or 80° or Below	70° or Below	60° or Below					Total	Max	Depth on Ground	Date	10 or More	50 or More	100 or More
NORTHWEST DIVISION																								
OWRELLS	24.0	3.8	13.9		46	17	-26	25+	1581	0	18	31	13	.21		.18	7	T	T	31+	1	0	0	
ROSBY	26.2	4.8	15.5	9.5	45	16	-21	25+	1528	0	19	31	13	.04	-	.04	6	T	T		0	0	0	
OXHOLM 7 N	27.6	5.9M	16.8M	9.5	48	16	-31	24	1485	0	15	30	14	.03	-	.03	6	T	T	4	3+	0	0	
RENORA	28.1	6.4	17.3		47	16	-21	24	1474	0	17	31	12	.01	-	.01	30	T	T	3	3+	0	0	
ENMARE	25.3	4.5	14.9		46	17	-28	24	1549	0	18	31	14	.04	-	.02	31+			5	2+	0	0	
OSTWOOD 12 N	23.9	3.6	13.8		43	16	-29	24	1583	0	19	31	14	.11		.04	6	2+0		5	4+	0	0	
INOT FAA AIRPORT	25.4	6.4	15.9		48	16	-28	24	1515	0	19	30	12	.04		.01	30+			4	5+	0	0	
INOT EXP STATION	// 24.2	4.4	14.3		48	17	-27	25+	1565	0	19	31	14	.01		.01	31			3	4+	0	0	
OHALL	25.5	4.1M	14.8M	9.5	47	16	-28	24	1546	0	17	30	14	T	-	.01	6	T	T	3	3+	0	0	
EWTOWN	27.0	7.1	17.1	11.1	46	16	-23	24	1480	0	16	31	12	T	-	.50	30+			1	2	4+	0	
ARSHALL	26.9	4.5	15.7		47	16	-26	24	1524	0	17	31	13	.01	-	.39	30			2	4+	0	0	
ORTAL	23.9	2.0	13.0	8.9	44	17	-25	24	1612	0	18	31	14	.07	-	.36	31			8	2	5+	0	
OWERS LAKE 1 N	21.3M	M	M		43	17	-32	25		0	31													
TANLEY	25.4	6.3	15.9		46	16	-25	24	1521	0	18	31	12	.01		.01	30			2	4+	0	0	
IOGA 1 E	24.1	4.5	14.3		45	17	-22	24	1568	0	20	30	13	.02		.02	30			2		0	0	
ILLISTON WB CITY	//R 27.6	10.7	19.2	9.2	48	16	-16	24	1414	0	18	30	9	.09	-	.40	30			4	4+	0	0	
ILLISTON EXP FARM	26.1	9.2	17.7		44	16	-18	24	1463	0	19	31	9	.04		.04	30				0	0	0	
DIVISION																								
			15.6	9.3										.05	-	.41		4						
NORTH CENTRAL DIVISION																								
ELCOURT INOIAN RES	17.4	-4.7	6.4		44	16	-41	24	1816	0	24	31	19	.30		.16	31	3+1	7	31+	2	0	0	
MOTTNEAU	16.9	-5.1	5.9	2.6	43	17	-38	24	1829	0	25	31	18	.25	-	.21	7	5+2	7	5+	1	0	0	
RAKE	23.1	1.8	12.5	6.5	44	17	-31	24	1624	0	21	31	15	.17	-	.28	31		5	6+	1	0	0	
GRANVILLE	25.5	4.4	15.0	8.3	48	12	-28	24	1548	0	18	30	14	.04	-	.51	31	4	6	4+	0	0	0	
EDOS	18.4	-1.0	8.7		41	16	-33	24	1742	0	22	30	17	.23		.16	31	3+6	6	31+	1	0	0	
ADOCK AGRI SCHOOL	19.9	-2.4	8.8	3.6	42	16	-36	24	1741	0	23	31	18											
HOLLA	17.5	-2.2	7.7		45	16	-32	24	1771	0	25	31	19	.30		.15	31	4+0	8	15+	2	0	0	
RUGBY	20.7	0.2	10.5		43	16	-32	24	1688	0	21	31	16	.19	-	.39	31	3+7	9	5+	1	0	0	
AN HAVEN	19.1	-1.0	9.1	4.9	45	16	-34	24	1731	0	24	31	16	.20	-	.29	6	1+4	6	5+	0	0	0	
TOWNER	23.5	0.8M	12.2M	7.2	45	16	-32	24	1633	0	20	31	14			.09	6		10	4+				
UPHAM 3 N	22.5	-1.0	10.8		45	16	-35	24	1677	0	21	31	16	.18		.10	6	1+0			1	0	0	
VELVA	26.9	6.4	16.7	8.5	49	16	-26	24	1493	0	17	30	13	.01	-	.56	2	6	8	3+	0	0	0	
WESTHOPE	19.5	-0.8	9.4	5.7	43	16	-31	24	1723	0	22	31	16	.16		.09	31	4	5+	0	0	0	0	
WILLOW CITY	20.3	-3.4M	8.5M	6.0	45	16	-34	24	1752	0	23	31		.18	-	.37	6	8	3	31+	1	0	0	
DIVISION																								
			10.2	5.7										.18	-	.36		2+4						
NORTHEAST DIVISION																								
ARVILLA STATE PARK	17.6M	-7.1M	5.3M		45	16	-31	24	1851	0		31		.64		.25	31	10+5	4	31	3	0	0	
BISBEE	16.2M	-2.7M	6.8M		40	16	-35	24	1805	0	27	31	17	.12		.05	20	7	14	4+	0	0	0	
CAVALIER	16.3	-3.9	6.2		44	16	-28	24	1823	0	26	31	19	.37		.20	6	2+2	12	4+	2	0	0	
DEVILS LAKE WB CITY	16.8	-2.6	7.1	2.3	42	16	-33	24	1791	0	24	31	20	.35	-	.05	31	6+0	12	4+	1	0	0	
EDMORE 1 N	15.1M	-7.5	3.8M		39	16	-35	24	1900	0	27	31	20					4	31					
GRAFTON	17.6	-5.2M	6.2M	1.5	42	17+	-28	24	1826	0	24	31	19	.48	-	.24	6	13	8+	2	0	0	0	
GRAND FORKS FAA AIRPORT	15.3	-4.5	5.4		40	16	-28	24	1847	0	26	31	21	.23		.15	31	3+3	5	5+	1	0	0	
GRAND FORKS UNIVERSITY	16.5	-2.7	6.9	2.5	40	16	-27	24	1800	0	27	31	18	.26	-	.34	31	4+1	10	31	1	0	0	
HANNAH	13.9	-8.6	2.7		40	16	-38	24	1933	0	27	31	20	.45	-	.09	34	2+5	7	12+	1	0	0	
HANSBRO	17.9M	-4.4M	6.8M	3.9	44	16	-33	24	1790	0	25	31	19	.05	-	.37	6	8	12+	0	0	0	0	
LANGOON EXP FARM	14.9	-7.9	3.5	1.6	39	16	-40	24	1905	0	28	31	20	.50	-	.29	6	4+0	10	4+	2	0	0	
LARIMORE	19.1	-2.8	8.2	2.9	43	16	-30	24	1762	0	21	31	18	.25	-	.20		17	31		1	0	0	
MC VILLE	18.1	-5.2	6.5		41	16	-35	24	1814	0	23	31	20	.21		.12	31	4+0	8	31	1	0	0	
MUNICH 4 SW	15.9	-6.5M	4.7M		37	16	-37	24	1874	0	27	31	20	.50		.28	6							
PARK RIVER	18.5	-0.9	8.8	4.4	44	16	-29	24	1742	0	22	31	16	.44	-	.08	0	2+0	31	2+5	4	31	2	0
PEMBINA	14.9	-8.7M	3.1M		43	16	-32	24	1939	0	26	31		.48	-	.10	29	6	4+0		2	0	0	
PETERSBURG	17.2	-4.3	6.5		40	16	-32	24	1815	0	24	31	17	.24	-	.18	31	2+3	9	31+	1	0	0	
DIVISION																								
			5.8	2.5										.35	-	.21		3+9						
WEST CENTRAL DIVISION																								
REULAH	29.3	8.9	19.1		48	16+	-22	24	1416	0	16	31	10	.03		.03	30				0	0	0	
RUTTE	23.7	3.5	13.6		45	17+	-29	24	1590	0	20	31	14	T		T	31+				0	0	0	
CENTER	28.5	6.9	17.7		48	16+	-25	24	1459	0	16	31	13	.06		.06	30	T	2	4	5+	0	0	
QUINN CENTER 2 SW	27.5	9.5	18.5	8.1	46	16	-20	25+	1438	0	19	30	9	.03	-	.40	30	1+0	4	5+	0	0	0	
GARRISON	26.4M	7.9M	17.2M	8.9	48	17	-24	25+	1482	0	18	31												
KEENE 2 S	26.1M	6.6	16.4M		45	16	-22	24	1507	0	18	31	14	.06		.06	30		9	4	4+	0	0	
MAX	24.2	4.1	14.2	8.2	46	17	-28	24	1571	0	20	31	13	.02	-	.43	30	4	3	5+	0	0	0	
RAUR 10 SSW	27.4	8.2	17.8		52	16	-22	25	1458	0	17	31	14	T		T	30+	T	3	2+	0	0	0	
RIVERDALE	// 26.2	6.8	16.5		48	17	-26	25+	1501	0	18	31	14	.01		.01	30	T	2	2	5+	0	0	

CLIMATOLOGICAL DATA

NORTH DAKOTA
JANUARY 1961

Continued

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max								Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More	
										90° or Above	80° or Below	70° or Below	60° or Below											
TURTLE LAKE	26.4	7.2	16.8		47	16	-27	24	1491	0	17	30	12	T		T	30+	T			0	0	0	
UNDERWOOD 4 ESE	25.8	6.5	16.2		47	16	-28	24	1506	0	18	31	12	.02		.02	30		3	5+	0	0	0	
WASHBURN																								
WATFORD CITY	32.1M	10.0M	21.1M		51	16+	-16	24	1357	0	16	30	8	.05		.05	30	T	4	3+	0	0	0	
WATFORD CITY 14 S	26.0	3.9	15.0		47	16	-32	24	1545	0	18	31	14	T		T	20+				0	0	0	
WILTON																								
OIVISION			16.9		8.1									.02		.45			.3					
CENTRAL OIVISION																								
CARRINGTON	19.9	-1.0	9.5	3.3	43	17	-33	24	1717	0	24	31	18	.05		.47	.02	3+	1.5	7	5+	0	0	0
FESSENDEN	22.7	0.8	11.8	5.5	44	16	-31	24	1646	0	21	31	15	.07		.50	.07	2	2.0	11	3+	0	0	0
JAMESTOWN FAA AIRPORT	//R 20.9	0.5	10.7	4.3	43	16	-30	24	1678	0	21	31	16	.04		.03	30	.4	10	4+	0	0	0	
JAMESTOWN STATE HOSP	21.2	2.2	11.7	3.5	42	16	-30	24	1646	0	21	31	14	T		.46	T	31+	T			0	0	0
KENSAL WILOLIFE REFUGE	23.0	0.7	11.9	4.2	42	16	-32	24	1643	0	20	31	15	.02		.02	2	.5	10	4+	0	0	0	
MC CLUSKY	23.7	4.0	13.9	6.4	43	16	-31	24	1578	0	19	31	12	.07		.56	.04	30	.4	3	4+	0	0	0
MC HENRY 5 N	17.7	-4.6	6.6	4.0	40	16	-38	24	1810	0	24	31	18	.13		.07	3	1.5	11	5+	0	0	0	
PETTIBONE	22.0M	-1.6	10.2M	3.7	48	16	-35	24	1677	0	23	31	17	.03		.44	.03	30	7	5+	0	0	0	
STEELE	24.7	3.6	14.2	6.6	46	16	-34	24	1569	0	19	31	14	.04		.40	.04	30	1.0	5	4+	0	0	0
OIVISION			11.2		4.4									.05		.46			.9					
EAST CENTRAL OIVISION																								
AMENIA	20.0	-2.2	8.9		42	17	-26	24	1736	0	24	31	18	.03		.03	3	1.0	8	5+	0	0	0	
COOPERSTOWN	19.4	-2.5	8.5		41	16	-33	24	1751	0	23	31	16	.08		.39	.03	31+	2.9	16	4+	0	0	0
FARGO WB AIRPORT	//R 17.3	-3.7	6.8	-0.3	39	16+	-27	24	1803	0	27	31	19	.09		.51	.05	20	1.6	5	5+	0	0	0
HILLSBORO	18.5	-2.1	8.2	1.9	42	16	-27	24	1756	0	25	31	16	.11		.42	.09	31	1.0			0	0	0
MAYVILLE	19.1	-1.5	8.9	2.0	44	16	-29	24	1742	0	22	31	17	.14		.39	.11	31	1.6	3	31+	1	0	0
SHARON	18.4M	-2.4M	8.0M	3.2	41	16	-31	24	1760	0	23	31	18	.10		.42	.05	31	2.5	8	4+	0	0	0
VALLEY CITY																								
OIVISION			8.2		2.3									.09		.41			1.8					
SOUTHWEST OIVISION																								
AMIOON	30.5M	11.9M	21.2M		45	17+	-18	24	1335	0	20	29		.06		.03	29+				0	0	0	
BEACH	29.4	9.2	19.3		48	17	-14	27+	1409	0	16	31	8	.24		.23	31	3.0	3	31	1	0	0	
BELFIELD	30.6	11.3M	21.0M		49	16	-17	24	1356	0	15	30		.13		.05	30+		8	2+	0	0	0	
BOWMAN COURT HOUSE	30.7M				47	15				0	19	31		T		T	26+	.4			0	0	0	
OICKINSON FAA AIRPORT	//R 29.5	11.8	20.7		48	16	-20	24	1370	0	18	30	8	.03		.01	30+	.5	2	5+	0	0	0	
OICKINSON EXP STATION	28.7	7.5	18.1	7.4	47	17	-20	25+	1443	0	18	31	12	.05		.43	.05	30			0	0	0	
FAIRFIELD	28.1	8.8M	18.5M		47	15	-19	24	1443	0	20	31	9	.03		.03	30	1.0	6	4+	0	0	0	
HETTINGER	32.3M	9.4M	20.9M	5.7	50	16	-30	24	1366	0	15	31		.05		.32	.05	29	2	4+	0	0	0	
MARMARTH	31.1M	5.8M	18.5M	3.6	49	17+	-19	27	1442	0	16	31	10	T		.56	T	29+	.6	3	4+	0	0	0
MEORA 3 NNE	33.0	6.7M	19.9M		52	16+	-20	27	1397	0	16	31	9	T		T	30+	.5	6	2+	0	0	0	
MOTT	31.4	6.4	18.9	5.3	50	16+	-21	24	1423	0	16	31	10	T		.43	T	30+	3	3+	0	0	0	
NEW ENGLAND	30.3	9.5	19.9	5.6	48	16	-19	24	1391	0	17	30	9	.05		.58	.03	29	4	4+	0	0	0	
RICHARDTON ARBEY	29.9	11.0	20.5	7.6	49	16	-22	24	1378	0	16	30	8	.08		.48	.05	30	1.3	1	31+	0	0	0
TROTTERS 3 S	29.6	11.9	20.8		50	16	-16	24	1363	0	17	29	9	.08		.46	.05	30	1.4	4	3+	0	0	0
OIVISION			19.8		6.1									.06		.44			1.0					
SOUTH CENTRAL OIVISION																								
ALMONT 7 SW	29.7	10.4	20.1		51	16	-22	24	1388	0	16	30	8	.03		.03	30	.3	1	4+	0	0	0	
BISMARCK WB AIRPORT	//R 28.6	8.2	18.4	9.2	54	16	-24	24	1437	0	16	31	10	.05		.31	.03	30	.6	2	4+	0	0	0
BRIEN	31.7M	6.5M	19.1M		53	16	-25	24	1425	0	15		10	.03		.03	30		8	4+	0	0	0	
CARSON	29.0	7.5	18.3	6.5	52	17	-23	24	1447	0	18	31	9	.04		.49	.02	30+	2.0			0	0	0
FORT YATES	30.1	5.7	17.9	5.8	53	7	-25	25+	1453	0	14	31	10	T		.39	T	30+	T	2	5+	0	0	0
LINTON	27.1	5.1	16.1	6.0	47	16	-24	24	1510	0	18	31	11	.04		.36	.03	30	T	9	4+	0	0	0
MANDAN EXP STATION	26.9	7.0	17.0	7.6	52	17	-26	24	1485	0	20	31	11	.03		.47	.03	30	.6	1	6+	0	0	0
MANDAN FT LINCOLN PARK	30.5	5.6M	18.1M		55	16	-30	24	1462	0	16	31	13	.02		.02	30	T	1	3+	0	0	0	
MOFFIT 4 SE	27.4	4.5	16.0		50	16	-29	24	1514	0	17	31	13	.04		.04	30	.4	3	2+	0	0	0	
NEW SALEM 1 SE	28.5	9.1	18.8	7.8	51	16	-26	24	1427	0	18	30	10	.07		.38	.04	30	1.0			0	0	0
OIVISION			18.0		7.1									.04		.40			.5					
SOUTHEAST OIVISION																								
ASHLEY	23.1	2.2	12.7	3.7	42	16	-32	24	1618	0	21	31	14	T		.51	T	30+	T	11	5+	0	0	0
EDGELEY EXP FARM	22.8	1.6	12.2	3.2	46	17+	-28	24	1632	0	20	31	17	T		.44	T	31+	T	10	4+	0	0	0
ELLENOALE	25.1	3.7	14.4	4.6	47	16	-28	24	1565	0	19	31	12	.07		.52	.02	30	.2	7	3+	0	0	0
ENOERLIN	19.9M	-3.2	8.4M		42	17	-30	25	1763	0	0	31	20	T		T	31+	T			0	0	0	
FORMAN	19.8	1.2	10.5		43	7	-29	24	1685	0	26	31	14	.03		.46	.03	30	T			0	0	0
FULLERTON	20.1	-0.5	9.8	-0.3	42	17	-30	24	1708	0	23	31	15	T		.87	T	30	T			0	0	0
GACKLE	22.4	1.3	11.9		43	16+	-35	24	1646	0	21	31	15	.01		.01	30	.5			0	0	0	
GRANO RAPIDS 1 N	24.0	-0.5	11.8		45	16	-30	24	1645	0	22	31	15	T		T	30+	T	8	4+	0	0	0	
HANKINSON R R STATION	21.6M	1.4M	11.5M	2.3	45	7	-27	24	1656	0	22	31	16	.04		.52	.04	3			0	0	0	
LISRON	22.2	-0.5	10.9	2.2	39	17+	-28	24	1674	0	22	31	16	T		.51	T	30+	.9	9	5+	0	0	0
MC LEOO 3 E	2																							

DAILY PRECIPITATION

NORTH DAKOTA
JANUARY 1961

Station	Total	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
BROWNIE MS T S BANDER 2 NW ONLY T SW ROSE 1 N	.10 .35 .04 .03 .03	T T T T T	T T T T T	.04 T T T T			.21 T T T T	T T T T T							T T T T T					T T T T T	.03 T T T T	T T T T T				T T T T T				T T T T T	.03 T T T T	
NIA DONA ALLA STATE PARK LEY FA	.03 .06 .04 T .13			.03 T T T T										T T T T T					T T T T T	.03 T T T T	T T T T T			T T T T T					.03 T T T T			
CH COURT INDIAN RES FIELD HOLD AM	.24 .30 .13 .04 .03	T T T T T	T T T T T	T T T T T																												
REE WARCK WA AIRPORT WARCK 12 ENE INEAU HELLS	.12 .05 .25 .21 .21	T T T T T	T T T T T	T T T T T										T T T T T						.05 T T T T	T T T T T											
HAN COURT HOUSE HAN 13 SE TEN E INGTON	T .06 .03 T .05																															
ON ALIER TER GATE MRAUS	.04 .37 .06 T .06	T T T T T	T T T T T	T T T T T																												
PERSTOWN TENAY RY LS LAKE WA CITY INSON FAA AIRPORT	.08 .04 .04 .35 .03	T T T T T	T T T T T	T T T T T																												
INSON EXP STATION BROOK E CENTER 2 SW MAN 2 SE	.05 .01 .17 .03 .02	T T T T T	T T T T T	T T T T T																												
LEY EXP FARM RE 1 N NDALE RLIN NG	T .02 .02 T .05	T T T T T	T T T T T	T T T T T																												
FIELD O WA AIRPORT ENDEN HER RES 13 NW	.03 .09 .07 .04 T	T T T T T	T T T T T	T T T T T																												
HAN YATES OLW 7 N ERTON LE	.03 T .03 T .01	T T T T T	T T T T T	T T T T T																												
ISON EN VALLEY 10 S TON O FORKS FAA AIRPORT D FORKS UNIVERSITY	.02 .48 .23 .26	T T T T	T T T T	T T T T																												
O RAPIDS 1 N VILLE ORA E TOAY	T .04 .01 T T	T T T T T	T T T T T	T T T T T																												
INSON R R STATION AH RORO EY INGER	.04 .45 .05 .17 .05	T T T T T	T T T T T	T T T T T																												
SAROR STOWN FAA AIRPORT E 2 S ARE	.11 .04 T .06 .04	T T T T T	T T T T T	T T T T T																												
AL WILDLIFE REFUGE DEER 7 NW DON EXP FARM MORE S	.02 .02 .50 .25 .23	T T T T T	T T T T T	T T T T T																												
ON ON HVILLE WOOD 12 N OCK AGRI SCHOOL	.04 T .08 .11 -	T T T T T	T T T T T	T T T T T																												
AN EXP STATION AN FT LINCOLN PARK ARTH ILLE	.03 .02 T .02 .14	T T T T T	T T T T T	T T T T T																												
LISKY ENRY 5 N OOD 3 E ILLE NA	.07 .13 .02 .21 T	T T T T T	T T T T T	T T T T T																												
RA 3 NNE RA 22 NNW T FAA AIRPORT IT EXP STATION IT 4 SE	T .04 .01 .04 T	T T T T T	T T T T T	T T T T T																												
LL PELIER CH 4 SW LEON	.01 .05 T .50 .06	T T T T T	T T T T T	T T T T T																												
ENGLAND SALEM 1 SE OWN S RIVER	.05 .07 T T 0 .44	T T T T T	T T T T T	T T T T T																												
HALL INA RSBURG TRONE AL	.01 .48 .24 .03 .07	T T T T T	T T T T T	T T T T T																												

See reference notes following Station Index.

DAILY PRECIPITATION

NORTH DAKOTA
JANUARY 1961

Continued

Station		Total	Day of Month																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
POWERS LAKE 1 N		-						-	-											T	T				.04	T						T	.02	.02
PRETTY ROCK		.08	T																									T					T	
RAUR 10 SSW		.02																		T	T													
REEDER		.01																		T														
REEDER 14 N		.01		T																T														
RICHARDTON ABBEY	//	.08	T	T					T											T								T	T					
RIVERDALE		.01		T	T				T											T								T						
ROLLA		.30							.13																									
RUGBY		.19			.04	.01			.02		.01	T																						
RYDER		T															T											T	T					
SAN HAVEN		.20			.03	T			.09	T											T	T												
SELFRIIDGE 5 W		T																																
SENTINEL BUTTE 20 S		.05	.05																	T	T													
SHARON		.10		T		.03				T																								
SHERWOOD 3 N		.23		T					.15																									
SHIELDS		T																																
STANLEY		.01		T	T				T																									
STEELE		.04		T																														
SYKESTON		T																																
TAGUS		T		T	T				T																									
TIOGA 1 E		.02																																
TOWNER		.08	.02																															
TROTTERS 3 S		T		T																														
TURTLE LAKE		.03																																
TUTTLE																																		
UNDERWOOD 4 ESE		.02							.10																									
UPHAM 3 N		.18		T																														
VALLEY CITY		.01			.01				T																									
VELVA		D .20				D .10																												
VERONA		.03							T		.03																							
WAHPETON		.26							.06																									
WALHALLA		.14			.02	.02			.02	T																								
WARWICK		-																																
WASHBURN		-																																
WATAUGA 5 DAKOTA 8 N		T	T																															
WATFORD CITY		-																																
WATFORD CITY 14 S		.05	T	T																														
WESTHOPE		.16			.02				.05		T										T	T												
WILDROSE		T																																
WILLISTON WB CITY	//R	.09	.01						T																			.01	.01	T		.01		
WILLISTON EXP FARM		.04							T																									
WILLOW CITY		.18			.03	T			.10																									
WILTON		T			T																													
WISHEK		D .03																																
WOODWORTH		-																																

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
JANUARY 1961

Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MONT 7 SW	MAX MIN	21 2	22 1	36 20	38 18	43 26	50 26	36 20	24 18	42 30	47 23	48 30	40 20	43 19	50 22	51 35	41 28	33 20	31 11	23 0	17 -1	22 1	18 -6	-5 -22	4 -16	1 -19	28 2	22 0	12 0	17 2	23 8	29.7 10.4	
ENIA	MAX MIN	11 -15	6 -16	6 -12	30 3	38 2	41 27	41 5	20 -10	32 -2	29 12	32 11	33 11	15 -6	25 3	42 18	26 16	21 12	19 -1	18 -3	11 -10	7 -12	2 -16	-12 -26	2 -17	-2 -19	15 -12	13 -1	13 -17	14 -10	14 2	20.0 -2.2	
MOON	MAX MIN	29 2	20 2	27 21	31 20	32 21	38 28	43 15	31 17	30 19	43 22	44 20	42 34	44 16	35 19	42 30	45 35	45 28	29 11	30 9		25 3	25 10	20 -18	14 7	9 -14	21 -11	2 -2	0 0	16 -2	26 11	30.5 11.9	
VILLA STATE PARK	MAX MIN	0 -20	5 -19	12 -24	30 0	35 10	39 8	33 4	12 -21		22 4	35 18	39 14	28 8	19 -13	31 2	45 23	42 0	22 -2	18 -6	17 -12	0 -15	-5 -26	0 -20	-14 -21	-11 -11	11 -1	7 -18	17 -16		17.6 -7.1		
WLEY	MAX MIN	28 -10	8 -15	28 4	27 13	35 15	39 21	40 20	29 10	36 12	33 17	41 18	37 12	16 -5	32 4	42 26	40 23	29 19	24 5	22 -9	5 -14	8 -7	13 -8	-6 -32	-6 -22	-5 -21	5 -18	21 -3	20 -10	12 -6	15 4	18 2.2	
WACH	MAX MIN	29 7	25 -8	22 -8	33 19	34 21	38 27	43 15	24 13	35 18	43 19	42 21	45 19	38 16	45 24	48 31	45 26	48 31	39 29	31 2	14 1	26 3	21 10	19 -14	8 -14	2 -11	2 -14	25 1	14 -3	12 -1	35 6	29.2 9.2	
COURT INDIAN RES	MAX MIN	-2 -30	4 -14	19 -8	25 1	37 13	37 18	31 3	10 -15	35 10	29 14	34 13	30 14	33 6	16 -10	27 -2	44 26	39 18	23 10	19 -7	-1 -11	4 -19	-9 -18	-2 -19	-2 -41	11 -23	4 -25	-11 -16	11 -1	3 -21	9 -12	9 -8	17.4 -4.7
FIELD	MAX MIN	24 5	22 2	35 15	38 22	40 22	43 27	33 21	30 19	42 24	42 22	45 23	47 31	34 20	44 15	47 21	49 34	41 26	34 12	34 11	29 -8	19 -3	22 5	17 -17	5 -7	4 -10	2 -11	2 0	29 8	24 0	26 -8	34 1	30.6 11.3
ULAM	MAX MIN	19 -2	21 -2	36 21	38 11	40 19	47 22	36 19	25 19	42 20	43 19	44 19	40 16	44 26	44 20	48 31	43 28	33 21	30 10	25 0	15 -3	22 5	17 -1	0 -22	4 -15	1 -13	4 -5	1 4	27 24	13 4	22 5	23 8.9	
BEE	MAX MIN	-1 -22	4 -17	14 -11	24 11	36 16	35 21	32 2	-7 7	12 12	28 12	32 12	30 7	13 -7	30 9	40 20	35 18	20 16	16 -4	-9 -3	-12 -16	-3 -19	1 -16	-35 -35	-9 -21	-5 -23	-5 -14	11 1	4 -14	11 -16		16.2 -2.7	
MARK WB AIRPORT	MAX MIN	12 -4	22 7	37 15	39 11	45 18	50 22	35 24	25 19	42 14	41 21	45 20	48 21	38 21	34 20	46 13	54 28	41 31	33 16	31 13	18 -1	13 -2	22 4	18 -15	-8 -24	2 -16	2 -13	29 -11	21 0	15 -2	1 1	28.5 8.2	
TYNEAU	MAX MIN	14 -27	5 -23	2 -8	25 2	27 7	40 11	36 12	15 -7	16 10	38 12	29 7	31 11	16 -1	22 1	36 10	43 21	29 10	43 -2	29 -9	19 -20	0 -10	5 -16	3 -8	0 -38	-10 -34	-5 -27	-6 -26	13 -10	4 -12	5 -15	13 -4	16.9 -5.1
BELLS	MAX MIN	17 -17	17 -9	25 2	35 12	40 21	35 24	42 12	36 8	22 22	43 19	37 17	38 17	23 23	15 13	43 28	46 23	37 23	20 6	27 -8	8 -8	9 -4	14 -4	5 -26	-3 -26	-1 -20	-1 -16	4 -5	20 -10	4 -5	8 1	17 3.8	
MAN COURT HOUSE	MAX MIN	25 1	24 20	34 20	33 22	39 24	45 24	32 20	30 20	44 20	44 26	46 28	34 12	40 24	46 26	47 22	41 22	28 12	32 2	12 2	23 10	23 2	15 -7	5 -12	2 -13			7				30.7	
EN	MAX MIN	-3 16	-5 -15	12 -2	10 34	45 35	51 42	45 43	25 20	40 25	43 37	50 39	43 15	49 19	50 15	41 45	34 29	48 29	35 12	33 -2	30 -6	16 3	23 3	20 -25	4 -19	2 -14	32 -16	27 8	15 -5	20 0	24 1	31.7 6.5	
TE	MAX MIN	25 -16	12 -15	17 -2	34 14	35 16	42 19	43 18	20 14	25 17	43 23	37 22	39 26	43 15	31 9	45 15	45 25	38 13	27 15	30 25	7 5	12 -7	10 -10	5 -29	-13 -27	-5 -23	-5 -23	18 -8	7 -9	10 -10	15 -1	19.9 -1.0	
BRINGTON	MAX MIN	24 -20	15 -13	-3 -6	30 1	29 16	40 19	41 18	20 1	24 7	38 20	29 14	37 10	16 -4	25 -2	38 12	43 26	31 12	25 3	23 -7	1 -12	1 -10	10 -10	5 -33	-13 -31	-5 -23	-5 -23	18 -8	7 -9	10 -10	15 -1	19.9 -1.0	
SON	MAX MIN	32 2	18 -5	26 -4	36 12	38 20	42 22	48 20	24 17	25 18	43 18	45 18	49 29	45 26	48 19	52 16	41 27	41 25	33 27	31 8	6 1	6 -4	17 1	22 5	20 -23	-6 -22	7 -20	6 -21	31 3	15 -4	13 1	19 5	29.0 7.5
VALIER	MAX MIN	0 -19	-3 -14	5 -20	27 2	40 9	37 26	32 3	10 -13	38 8	27 13	27 10	23 9	31 8	13 -6	26 2	44 40	40 6	15 -1	19 -4	16 -12	0 -9	-7 -22	3 -21	-3 -18	-3 -19	10 -9	8 0	7 -10	14 -10	11 -3	16.3 -3.9	
TER	MAX MIN	16 -4	20 -1	38 12	38 12	42 25	48 25	38 20	22 16	42 15	41 20	40 20	47 20	38 19	46 32	44 28	36 15	36 28	29 10	25 -4	12 -4	18 3	16 -2	-2 -3	-1 -25	2 -20	-1 -16	26 -15	22 -3	14 -6	18 -14	22 1	28.5 6.9
PERSTOWN	MAX MIN	20 -20	9 -15	6 -7	28 3	36 16	39 20	37 5	20 -10	36 14	31 15	34 11	37 15	28 8	41 21	39 19	24 10	18 19	1 -6	18 -9	-1 -10	5 -20	0 -16	-13 -33	-1 -21	-2 -25	13 -17	11 -2	8 -12	14 -12	14 1	19.4 -2.5	
SBY	MAX MIN	15 -15	19 -7	38 11	38 12	43 20	40 27	28 6	30 6	39 22	35 14	40 21	43 22	32 14	40 13	45 16	39 32	31 29	29 9	20 -10	13 -2	17 -1	12 -11	-3 -21	-3 -17	-1 -14	0 -2	25 -9	20 -2	9 -9	16 5	26.2 4.8	
ILS LAKE WB CITY	MAX MIN	-3 -20	8 -8	28 -7	28 13	37 18	39 25	26 4	20 -7	36 19	23 13	33 16	38 16	25 0	16 -5	34 9	42 32	32 15	21 1	18 -5	-1 -11	-3 -17	4 -18	-3 -28	-15 -33	-5 -20	-6 -23	11 -8	5 -14	12 -9	16.8 -2.6		
KINSON FAA AIRPORT	MAX MIN	25 11	22 1	33 19	36 22	40 25	45 27	28 18	30 19	42 24	41 23	45 31	45 19	47 17	47 26	48 34	47 27	31 17	19 14	29 -1	18 5	25 2	21 -13	3 -20	5 -8	2 -12	26 -8	17 0	12 5	23 12	28 11.8		
KINSON EXP STATION	MAX MIN	31 8	25 -3	23 0	35 16	37 18	41 20	46 17	24 17	30 18	42 17	41 20	43 24	34 10	48 18	45 30	47 20	40 20	30 11	30 -1	10 -3	18 -3	23 8	20 -20	2 -12	5 -15	0 -2	5 -4	28 2	13 -2	10 4	30 5	28.7 7.5
KE	MAX MIN	25 -20	16 -8	10 -8	31 6	34 16	41 21	42 6	22 13	29 18	41 18	35 24	37 17	15 18	32 14	41 27	44 31	38 25	28 13	29 -8	6 -3	7 -13	11 -4	8 -31	-4 -23	-9 -19	3 -2	20 -10	10 -6	4 -9	19 9	23.1 1.8	
IN CENTER 2 SW	MAX MIN	28 3	21 -3	22 4	36 19	36 22	44 24	45 22	28 20	30 24	42 23	42 31	43 30	45 19	32 17	44 26	46 34	41 27	41 17	27 14	21 -1	10 5	15 -2	21 -13	12 -8	7 -12	5 -8	25 0	10 8	9 5	21 12	27.5 9.5	
SELEY EXP FARM	MAX MIN	23 -12	15 -13	10 -4	35 1	35 11	39 26	43 23	26 7	25 7	41 20	34 21	39 24	46 19	21 0	23 9	36 30	42 21	35 13	23 -6	30 -10	31 -15	23 -12	3 -12	6 -28	12 -19	-2 -16	-2 -17	22 -17	12 -5	15 -5	15 0	

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX MIN	18 -22	20 -13		34 2	36 9	44 22	43 3	32 -13	43 25	38 30	45 19	17 9	38 -7	40 22	45 23	48 30	40 21	26 12	30 -6	6 -12	16 -5	20 0	10 -24	-6 -24	1 -15	3 -13	28 -3	13 -10	10 -3	18 5	26.4 7.9	
GRAFTON	MAX MIN	8 -22	-2 -13	6 -23	28 2	37 9	37 22	33 3	12 -13	36 0	32 11	34 11	27 10	31 9	13 -7	24 19	42 7	42 -1	16 -8	18 -11	1 -9	7 -24	4 -19	-15 -28	-2 -19	-3 -19	11 -12	13 -2	9 -18	15 -14	0 0	17.6 -5.2	
GRANO FORKS FAA AIRPORT	MAX MIN	-6 -16	-2 -9	7 -15	26 4	36 11	36 23	32 -5	20 -9	30 13	25 11	31 13	33 13	32 -1	14 -4	22 5	40 19	33 5	14 0	15 -7	0 -12	3 -23	-3 -26	-17 -17	1 -18	5 -12	10 -10	10 -8	16 -11	11 -8	10 -10	15.3 -4.5	
GRANO FORKS UNIVERSITY	MAX MIN	12 -17	-3 -11	5 -14	24 4	34 11	35 21	32 3	16 -8	29 12	26 13	30 13	32 12	30 6	12 -4	22 5	40 18	39 9	16 6	17 -5	16 -9	0 -12	4 -19	0 -27	-16 -16	1 -18	5 -13	11 -13	11 0	10 -12	16 -9	15 -4	16.5 -2.7
GRANO RAPIOS 1 N	MAX MIN	18 -17	14 -16	31 -4	32 8	40 15	44 25	40 10	21 -3	41 12	33 9	39 12	31 15	31 12	22 8	32 15	45 19	41 25	29 16	24 5	20 -6	10 -15	11 -19	-12 -30	3 -18	0 -20	21 -20	18 5	17 -8	17 -10	16 -8	24.0 -0.5	
GRANVILLE	MAX MIN	5 -20	15 -7	33 0	40 11	43 22	44 24	32 13	23 14	45 18	33 17	39 21	48 19	37 9	39 7	46 15	47 35	37 26	29 13	22 5	10 10	13 -4	7 -11	0 -18	0 -12	0 -18	20 -12	16 -8	10 -11	19 -8	19 -10	25.4 4.4	
GRENORA	MAX MIN	21 -11	20 -5	34 13	37 12	42 20	41 24	32 10	30 14	43 23	39 15	42 26	43 25	34 9	40 18	41 20	47 32	40 20	33 14	30 10	25 -10	20 -1	18 1	13 -8	2 -21	3 -16	2 -13	26 -13	22 0	12 -2	17 -11	21 3	28.1 6.4
HANKINSON R R STATION	MAX MIN	15 -10	-2 -14	12 -5	31 2	33 22	39 24	45 27	27 -3	17 3	34 8	35 12	40 16	42 20	28 3	30 4	32 12	42 12	40 26	30 4	26 12	6 -6	-10 -10	-12 -12	-9 -13	-27 -15	-13 -17	-7 -7	-4 -4	4 4	21.6 1.4		
HANNAH	MAX MIN	-2 -29	-2 -16	11 -18	25 6	34 8	34 18	28 -8	13 -17	29 10	25 9	31 11	27 7	14 -2	29 -9	40 3	36 19	15 6	18 1	7 -13	-3 -12	-18 -18	-28 -26	-33 -24	-8 -28	-8 -28	0 -20	7 -1	1 -23	9 -9	7 -7	13.9 -8.6	
HANSBORO	MAX MIN	-7 -20	5 -15	20 -15	24 4	32 9	42 20	34 -22	10 -10	26 10	30 14	33 10	27 7	35 10	44 2	41 15	24 10	15 -7	14 -15	-18 -18	8 -19	6 -33	-19 -22	-12 -22	-7 -12	-8 -10	10 -10	15 -9	12 -15	10 -15	11 -1	17.9 -4.4	
HETTINGER	MAX MIN	22 10	26 0	36 14	38 16	41 26	47 26	34 18	27 22	45 22	44 23	47 28	36 19	45 10	49 22	50 32	44 22	34 14	32 9	27 1	24 0	32 -5	27 -30	24 -14	1 -13	7 -13	3 -14	29 -14	24 3	14 1	44 14	32.3 9.4	
HILLSBORO	MAX MIN	13 -15	3 -15	5 -15	21 4	35 9	35 20	39 -9	18 -10	28 5	29 13	30 13	34 6	32 13	14 -6	26 3	42 21	40 10	25 8	20 -3	17 -10	1 -10	5 -19	-1 -21	-13 -19	-27 -18	-12 -12	12 -3	11 -11	18 -6	15 3	18.5 -2.1	
JAMESTOWN FAA AIRPORT	MAX MIN	3 -19	12 -5	31 -4	31 16	37 23	41 26	30 8	21 14	38 14	33 17	37 18	39 20	35 2	22 -5	43 24	35 20	29 11	23 4	35 24	29 11	3 -11	5 -16	11 -25	-3 -30	-3 -15	19 -11	10 -4	11 -8	15 -6	5 0	20.9 0.5	
JAMESTOWN STATE HOSP	MAX MIN	17 -16	13 -10	18 -3	31 11	37 20	40 25	34 9	20 6	36 16	32 18	37 21	41 21	35 10	21 -5	34 4	42 24	40 25	28 17	22 7	21 -6	0 -9	9 -15	3 -14	-14 -30	-17 -20	-12 -12	16 1	11 -5	13 -5	12 3	21.2 2.2	
KEENE 2 S	MAX MIN	24 -6	22 -9	32 14	34 18	40 21	42 26	31 12	43 23	38 18	39 24	40 28	33 12	41 14	43 20	45 33	37 23	16 12	27 4	19 -4	1 0	18 18	12 -22	0 -18	2 -18	1 -6	23 -10	14 0	12 -10	15 -15	19 2	26.1 6.6	
KENMARE	MAX MIN	21 -16	18 -9	22 0	36 14	35 27	42 27	42 18	24 8	35 20	45 24	37 19	39 20	45 15	21 14	38 25	44 32	46 25	38 12	23 7	29 -9	10 -8	16 0	16 -28	-3 -4	0 -28	-27 -17	22 -1	5 -10	10 -1	18 4	25.3 4.5	
KENSAL WILDLIFE REFUGE	MAX MIN	22 -22	14 -14	25 -3	31 12	38 20	41 23	40 11	16 5	36 14	36 17	41 19	36 12	21 -5	36 5	42 25	41 25	31 17	31 2	42 -7	41 -11	31 -16	12 -12	7 -32	-10 -20	-3 -23	20 -16	20 -4	12 -11	14 -10	16 0	23.0 0.7	
LANGOON EXP FARM	MAX MIN	7 -28	-1 -15	6 -19	24 4	32 7	36 13	30 0	-14 -14	30 7	28 8	29 10	32 9	27 8	15 -8	26 4	39 22	35 11	17 0	15 -12	10 -15	1 -22	-3 -22	-17 -25	-4 -30	-6 -18	-10 -25	-3 -6	-22 -18	12 -6	10 -6	14.9 -7.9	
LARIMORE	MAX MIN	8 -20	5 -14	12 -15	30 11	39 21	38 29	33 -4	12 -13	38 0	35 15	35 15	35 13	36 5	20 -7	32 21	43 36	37 21	25 9	18 5	13 -11	0 -24	7 -22	0 -18	0 -4	11 -11	11 -1	9 -12	17 -10	13 -3	19.1 -2.8		
LEEOS	MAX MIN	0 -26	10 -18	25 -14	28 14	34 21	39 24	37 1	15 15	36 15	33 13	32 15	37 15	32 7	19 0	36 10	41 33	36 24	30 10	15 -3	-1 -9	-17 -14	-17 -33	-6 -20	-6 -25	11 -14	11 -3	4 -14	13 -10	13 0	18.4 -1.0		
LINTON	MAX MIN	21 -12	10 -1	34 4	30 4	43 8	45 14	42 24	24 12	33 7	39 18	40 12	46 15	39 18	24 7	35 12	47 18	42 12	35 18	29 18	25 5	5 -4	2 -24	18 -16	2 -14	30 -8	22 10	18 4	14 5	0 0	27.1 5.1		
LISBON	MAX MIN	22 -13	11 -18	14 -8	29 8	35 14	39 27	39 15	18 -10	33 0	33 14	32 11	38 20	37 16	18 -5	23 2	39 16	39 22	29 16	27 3	20 -6	6 -8	8 -11	3 -28	5 -18	4 -20	18 -19	18 5	15 -12	17 -5	22.2 -0.5		
LOSTWOOD 12 N	MAX MIN	10 -20	15 -9	32 7	33 13	40 20	39 24	30 8	24 3	42 21	35 16	22 22	33 13	37 10	40 18	35 32	37 18	43 30	38 18	30 11	21 -8	23 -9	7 -4	14 -3	10 -29	-4 -15	-2 -15	19 -5	8 -13	15 -8	13 -1	23.9 3.6	
MAOOCK AGRI SCHOOL	MAX MIN	12 -26	14 -11	27 -5	28 12	39 18	39 25	32 1	-5 -5	37 13	29 13	35 11	32 7	31 -8	21 5	35 26	42 11	39 22	25 11	24 -2	20 -10	-1 -12	-16 -36	-5 -28	-17 -28	-16 -16	-10 -10	-14 -14	-11 -11	-1 -1	19.9 -2.4		
MANDAN EXP STATION	MAX MIN	30 -4	18 -5	21 3	36 16	38 16	43 27	49 25	27 16	23 16	43 16	41 24	44 23	48 16	24 16	32 23	49 16	52 28	39 23	31 12	31 -2	5 -4	11 -26	20 -4	1 -26	0 -18	1 -16	28 -2	12 -4	13 -3	17 7	26.9 7.0	
MANDAN FT LINCOLN PARK	MAX MIN	14 -8	20 -2	40 7	39 11	41 12	50 21	43 18	37 22	42 21	47 27	51 25	43 15	30 15	48 15	55 29	51 27	39 21	28 8	18 -6	14 -8	22 -2	21 -5	-5 -30	3 -22	2 -21	29 -15	26 0	16 -5	18 -4	23 1	30.5 5.6	
MARMARTH	MAX MIN	29 3	24 -6	27 5	38 6	38 10	42 16	46 14	33 14	31 9	41 15	45 19	47 15	38 9	44 19	49 21	49 25	42 22	30 9	34 6	15 0	25 3	23 -11	18 -12	-8 -8	-19 -19	-11 -11	0 0	31.1 5.8				
MAX	MAX MIN	22 -17	17 -16	15 -6	34 8	36 13	42 24	44 23	28 18	41 21	38 20	23 23	45 16	21 16	32 12	43 18	46 23	38 16	26 8	10 -5	19 -8	9 -3	19 -28	-1 -16	0 -16	1 -14	0 -18</						

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICH 4 SW	MAX MIN	11 -25	11 -16	11 -16	22 10	34 12	34 -2	31 -11	20 10	31 9	25 10	28 10	29 11	27 16	14 -6	25 3	37 23	36 9	25 -1	11 -11	11 -11	-2 -15	0 -23	-11 -25	-6 -37	-5 -21	-6 -27	11 -16	-8 -8	7 -21	15 -17	8 0	15.9 -6.5
NAPOLEON	MAX MIN	19 -17	14 -2	32 4	31 11	40 16	43 21	38 14	20 11	32 15	33 16	38 19	40 23	38 14	30 3	44 24	37 20	29 17	23 10	22 0	4 -10	-12 -13	12 -8	13 -19	-14 -34	-5 -25	-4 -24	24 -15	20 -3	13 -12	17 -7	15 3	23.2 1.7
NEW ENGLAND	MAX MIN	27 12	22 -2	34 13	36 16	41 21	45 18	35 15	27 18	45 17	43 20	45 21	43 20	37 20	46 11	47 18	47 33	40 26	32 10	30 0	26 0	23 0	23 1	21 6	5 1	26 12	22 3	11 -2	24 -2	29 10	30.3 9.5		
NEW SALEM 1 SE	MAX MIN	17 -2	22 0	31 16	39 20	42 22	48 22	33 10	23 17	40 21	43 25	48 32	39 17	38 18	50 21	51 35	41 26	32 17	31 10	24 -4	15 -1	20 1	17 -10	-5 -26	1 -12	1 -10	28 -14	22 -3	12 -3	16 3	21 5	28.5 9.1	
NEWTOWN	MAX MIN	15 -15	15 -2	33 12	35 9	42 23	44 19	34 17	26 13	45 19	37 18	20 19	39 18	40 18	45 19	46 29	41 27	35 19	26 14	23 -5	14 -1	19 -1	19 -1	-2 -23	1 -12	-2 -14	23 -9	0 -9	15 -1	18 1	27.0 7.1		
OAKES	MAX MIN	25 -14	2 -15	9 -5	25 1	28 8	37 13	41 8	27 -2	33 10	29 9	32 9	30 12	37 14	22 -1	23 -2	42 7	35 20	30 18	24 -4	-1 -9	2 -6	7 -18	-12 -32	10 -29	3 -19	-8 -18	20 -12	11 -8	15 -8	17 0	19.4 -2.5	
PARK RIVER	MAX MIN	7 -21	-3 -12	9 -17	28 5	37 16	39 28	34 8	12 -8	36 12	35 19	35 13	30 14	29 12	-2 -5	33 24	44 24	43 14	30 2	18 -4	18 -9	-1 -6	5 -18	-2 -29	-2 -16	-5 -19	11 -8	11 -2	7 -10	14 -4	13 1	18.5 0.9	
PARSHALL	MAX MIN	15 -20	18 -5	34 10	37 9	43 18	44 20	35 15	25 12	43 14	38 16	41 16	41 16	36 17	42 17	46 20	47 27	40 16	30 11	27 -5	23 -7	11 -7	21 -4	17 -2	-2 -26	-4 -15	0 -17	23 -12	10 -4	15 -2	17 4	26.9 4.5	
PEMBINA	MAX MIN	0 -27	-3 -20	3 -27	24 3	37 5	35 13	34 23	15 -16	32 10	27 9	26 9	25 10	15 4	22 9	43 18	36 3	32 -3	18 -10	10 -14	-1 -15	-3 -28	-3 -21	-15 -32	-1 -20	-2 -23	12 -14	12 -4	2 -21	12 -12	12 -8	14.9 -8.7	
PETERSBURG	MAX MIN	9 -22	5 -16	9 -15	25 8	35 15	37 20	33 1	13 -16	33 10	28 12	32 12	36 12	29 7	18 -6	29 21	40 12	37 12	20 7	17 -7	16 -11	1 -13	3 -20	-2 -21	-15 -32	-2 -20	-6 -25	10 -21	6 -17	15 -12	11 1	17.2 -4.3	
PETTIBONE	MAX MIN	-3 -22	5 -10	23 -3	29 7	35 10	40 15	38 10	32 10	31 10	35 13	38 19	33 8	18 7	30 -5	48 22	39 20	27 15	19 4	12 -10	8 -15	-8 -20	-5 -10	-8 -35	-5 -20	-5 -25	18 -21	20 -11	10 -11	15 -2	22.0 -1.6		
PORTAL	MAX MIN	17 -18	18 -10	20 -2	34 12	34 14	41 24	40 14	25 5	35 20	41 15	35 16	37 18	42 15	26 16	38 12	42 24	44 21	33 13	18 5	27 -11	8 -10	12 -4	13 -25	-5 -4	-2 -24	-1 -18	2 -12	3 -13	9 10	18 2	23.9 2.0	
POWERS LAKE 1 N	MAX MIN										36 12	36 8	40 11	42 14	22 13	36 11	42 22	43 17	37 15	22 8	27 -7	7 -8	11 -5	12 3	-5 -25	-5 -32	0 -18	0 -18	22 -6	9 -11	8 0	17 0	21.3
RAUB 10 SSW	MAX MIN	25 -1	24 -1	38 20	40 11	45 29	48 27	35 19	26 18	41 20	42 23	43 20	34 20	29 19	48 21	48 30	52 30	47 29	36 20	30 -1	20 -5	20 -1	10 -4	10 -5	10 -11	-4 -22	1 -14	15 -16	7 -8	10 -4	20 1	27.4 8.2	
RICHARDTON ABBEY	MAX MIN	23 4	20 0	34 16	36 21	40 24	48 24	38 19	25 19	45 20	41 25	43 29	45 29	41 21	42 23	48 23	46 26	34 -3	31 13	28 -2	14 0	21 3	17 7	8 -22	5 -13	-1 -14	1 -12	27 -13	25 3	11 0	17 8	29.9 11.0	
RIVEROALE	MAX MIN	24 -6	19 -5	22 -1	36 8	37 12	44 25	45 24	26 19	38 24	43 24	39 24	40 24	45 19	21 17	37 21	45 29	48 29	39 12	28 -3	29 -5	6 -5	10 0	20 -2	14 -26	-7 -26	1 -16	1 -12	24 0	9 -3	11 3	17 4	26.2 6.8
ROLLA	MAX MIN	-3 -19	5 -12	23 -10	25 12	42 15	35 22	38 -1	32 -6	31 13	35 14	33 14	33 15	32 1	15 -3	30 11	45 29	37 16	23 9	37 -4	23 -9	3 -12	1 -18	-7 -25	0 -32	-7 -19	0 -21	12 -11	10 -2	5 -15	11 -9	11 -6	17.5 -2.2
RUGBY	MAX MIN	5 -23	3 -12	25 -2	30 7	38 14	40 20	33 18	18 9	36 17	31 10	35 16	36 18	35 9	29 16	36 18	43 26	40 14	30 25	25 3	22 -8	3 -8	5 -13	4 -12	-12 -32	-3 -18	-6 -24	14 0	5 -16	14 9	13 0	20.7 0.2	
SAN HAVEN	MAX MIN	0 -22	4 -12	18 -5	32 11	39 12	37 21	33 6	12 -6	32 10	30 17	40 14	33 21	31 9	17 14	33 21	45 24	39 16	24 2	23 -3	20 -9	4 -11	11 -17	3 -17	-5 -21	0 -25	13 -14	13 -2	5 -9	11 16	16 1	19.1 -1.0	
SHARON	MAX MIN	11 -20	6 -15	8 -10	25 8	36 15	38 23	34 2	11 -9	35 10	34 16	37 14	32 17	18 8	28 3	41 17	38 15	21 10	18 -5	18 -10	0 -10	4 -20	0 -19	-7 -31	11 -20	8 -23	12 -24	16 -12	18.4 0	2.4			
STANLEY	MAX MIN	8 -14	16 -7	34 12	34 16	42 22	43 25	29 11	24 9	43 20	36 18	39 25	42 18	35 15	40 18	42 26	46 24	39 14	30 12	26 -8	21 -8	10 -2	18 4	10 -1	-1 -25	0 -10	-1 -15	22 -12	18 -4	8 -8	16 5	17 1	25.4 6.3
STEELE	MAX MIN	16 -18	13 -3	34 -2	31 13	41 20	45 22	35 14	21 12	39 16	35 24	38 11	43 20	38 15	21 16	34 8	46 28	43 26	32 13	22 -7	23 -6	7 -12	16 -12	13 -6	-5 -34	-2 -18	-1 -22	1 -13	24 3	14 -5	14 5	13 3	24.7 3.6
TIOGA 1 E	MAX MIN	18 -18	18 -6	23 2	32 12	33 12	40 22	24 11	31 11	36 23	39 15	39 23	42 15	22 15	38 12	40 28	45 22	38 14	25 10	23 -5	8 -7	13 -3	18 0	9 -22	-2 -21	0 -15	-2 -16	9 -3	9 -6	15 6	24.1 4.5		
TOWNER	MAX MIN	11 -23	12 -9	28 3	35 8	43 15	38 23	29 7	40 18	39 15	31 15	37 15	42 15	30 10	32 21	38 25	45 27	33 13	27 4	28 -1	9 -8	6 -17	2 -15	-15 -32	-9 -19	0 -24	18 -13	15 0	10 -9	18 -5	23.5 0.8		
TROTTERS 3 S	MAX MIN	25 8	23 -4	32 16	33 20	39 28	45 29	32 16	33 16	43 25	41 24	46 33	36 24	43 18	45 22	50 27	40 35	33 27	30 14	25 -2	26 3	22 6	18 -3	6 -16	-6 -9	1 -10	26 -9	24 -3	8 2	17 3	27 4	29.6 11.9	
TURTLE LAKE	MAX MIN	12 -13	13 -6	35 7	35 15	41 21	45 28	35 17	21 17	43 20	38 21	38 25	45 25	41 16	29 15	42 14	47 34	34 25	29 10	23 -5	9 -1	20 0	17 -9	-8 -27	1 -18	1 -16	23 -9	20 -4	12 -1	15 4	20 3	26.4 7.2	
UNDERWOOD 4 ESE	MAX MIN	14 -13	18 -6	34 10	32 14	38 19	43 23	34 17	21 16	39 23	37 16	41 24	38 23	32 16	44 31	47 37	43 28	35 17	27 10	23 -6	9 -2	20 0	14 -9	-7 -28	0 -19	-2 -17	0 -12	23 -17	21 1	10 -7	18 3	25.8 6.5	
UPHAM 3 N	MAX MIN	0 -26	9 -11	25 -2	37 4	42 11	43 19	33 10	23 10	37 11	32 10	35 10	35 12	32 8	28 -2	43 1	45 32	37 24	28 11	27 -5	22 -9	4 -11	10 -16	4 -13	-9 -35	-3 -16	0						

Continued

DAILY TEMPERATURES

NORTH DAKOTA
JANUARY 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WISHEK	MAX	37	12	19	30	29	39	42	25	21	37	34	39	43	20	19	35	43	36	30	23	0	6	11	14	-15	-5	-5	22	12	13	13	21.9
	MIN	-14	-14	-2	7	12	23	20	11	10	11	18	20	19	-2	3	7	28	19	7	-9	-14	-8	-6	-32	-31	-21	-21	-7	-7	-8	-1	0.6

SNOWFALL AND SNOW ON GROUND

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERCROMBIE	SNOWFALL SN ON GND	T 5	T 5	.6 6	5 5	5 5	5 5	T 4	4 4	4 4	3 3	3 3	2 2	2 2	2 2	2 2	2 2	2 2	2 2	T 2	.6 2	T 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	T 2	2 2	.4 2
ALMONT 7 SW	SNOWFALL SN ON GND	1 1	1 1	1 1																	T T	T T								T T	.3 T	T T	
AMENIA	SNOWFALL SN ON GND	7 7	7 7	1.0 8	8 8	8 8	5 5	5 5	5 5	5 5	5 5	5 5	4 4	4 4	4 4	3 3	3 3	3 3	3 3	T 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	
ASHLEY	SNOWFALL SN ON GND	11 11	11 11	11 11	11 11	10 10	10 10	10 10	10 10	9 9	8 8	8 8	8 8	8 8	7 7	7 7	7 7	7 7	T 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	T 7	7 7	
BEACH	SNOWFALL SN ON GND	T 1	T 1	1 1	1 1	1 1	1 1	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	3.0 3	
BELCOURT INDIAN RES	SNOWFALL SN ON GND	7 7	.2 7	.7 7	7 7	6 6	.2 6	T 6	6 6	6 6	6 6	6 6	6 6	6 6	5 5	5 5	5 5	5 5	T 5	5 5	T 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	2.0 7	
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	.1 2	2 .2	2 .7	2 .7	1 .7	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	.1 T	.4 T	T T	
BOTTINEAU	SNOWFALL SN ON GND	.5 4	3.0 7	.2 7	7 7	7 7	T 6	T 5	T 5	5 5	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	T 4	T 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	T 4	4 4	1.5 6	
BOWBELLS	SNOWFALL SN ON GND	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	
CAVALIER	SNOWFALL SN ON GND	12 12	12 12	12 12	12 11	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	9 9	9 9	9 9	9 9	9 9	9 9	.1 9	9 9	9 9	9 9	9 9	9 9	9 9	9 9	9 9	9 9	.2 9	1.4 10	
CENTER	SNOWFALL SN ON GND	2 2	2 2	2 2	2 2	2 2	1 1	1 1	1 1	1 1	1 1	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	
CROSBY	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
DEVILS LAKE WB CITY	SNOWFALL SN ON GND	T 10	2.3 11	T 12	12 11	.2 11	T 10	T 10	10 10	10 10	10 10	10 10	9 9	T 9	T 9	9 9	9 9	9 9	.2 7	.3 6	T 7	T 7	7 7	T 6	T 6	T 6	T 6	T 6	T 6	T 6	T 6	1 6	2.7 9
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND	T 2	T 2	2 2	2 2	2 2	1 1	1 1	1 T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	.2 T	.2 T	1 T	
DUNN CENTER 2 SW	SNOWFALL SN ON GND	T 4	T 4	4 4	4 4	4 4	3 3	2 2	2 2	1 1	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	1.0 T	1 T	
ELLENDALE	SNOWFALL SN ON GND	7 7	7 7	7 7	6 6	5 5	4 4	4 4	4 4	4 4	3 3	3 3	3 3	3 3	3 3	2 2	2 2	2 2	2 2	T 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	.2 2	
FAIRFIELD	SNOWFALL SN ON GND	6 6	T 6	6 6	6 6	5 5	3 3	3 3	3 3	2 2	1 1																					1.0 1	
FARGO WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	T 4	.6 4	T 5	5 5	5 5	5 4	T 4	4 4	4 4	3 3	3 3	3 3	2 2	2 2	2 2	2 2	2 2	T 2	.2 2	.2 2	T 2	T 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	.2 2	.4 2	
FESSENDEN	SNOWFALL SN ON GND	9 9	2.0 11	11 11	10 10	9 9	8 8	7 7	- 5	5 5	4 4	- 3	- 3	- 2	2 2	2 2	2 2	2 2	2 2	T 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	
FORT YATES	SNOWFALL SN ON GND	T 2	2 2	2 2	2 2	2 2	1 1	1 1	1 1	1 T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	T 5	.5 5	5 5	5 5	5 5	.2 4	T 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	3 3	T 3	.1 3	T 3	T 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	2 2	2 2	2.5 4
GRAND RAPIDS 1 N	SNOWFALL SN ON GND	8 8	T 8	8 8	8 8	6 6	6 6	6 6	6 6	6 6	5 5	5 5	5 5	5 5	5 5	4 4	4 4	4 4	4 4	4 4	T 4	T 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	T 4	- 4
GRANVILLE	SNOWFALL SN ON GND	6 6	T 6	6 6	6 6	5 5	4 4	4 4	4 4	3 3	3 3	3 3	2 2	2 2	2 2	2 2	1 1		T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	.4 T	
HANNAH	SNOWFALL SN ON GND	7 7	.5 7	T 7	7 7	7 7	1.0 7	7 7	7 7	7 7	7 7	7 7	6 6	6 6	6 6	5 5	5 5	5 5	5 5	T 5	T 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	1.0 6	
HETTINGER	SNOWFALL SN ON GND	2 2	2 2	2 2	2 2	1 1	1 1	1 1	1 1	1 1	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	- 1	1 1	
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND	T 10	.1 10	T 10	10 10	9 9	8 8	7 7	7 7	6 6	6 6	5 5	5 5	4 4	4 4	4 4	4 4	4 4	3 3	3 3	T 3	T 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	.3 3
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND	9 9	.5 10	T 10	10 10	9 9	7 7	7 7	7 7	7 7	6 6	6 6	6 6	5 5	4 4	3 3	3 3	3 3	3 3	T 3	T 3	T 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	T 3	
LANGDON EXP FARM	SNOWFALL SN ON GND	9 9	.5 10	10 10	10 10	9 9	.8 8	.2 8	8 8	8 8	8 8	8 8	8 8	.1 8	8 8	8 8	7 7	7 7	T 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	7 7	2.0 9	
LEEDS	SNOWFALL SN ON GND	6 6	6 6	.6 6	6 6	5 5	4 4	4 4	4 4	4 4	4 4	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3.0 6	
LISBON	SNOWFALL SN ON GND	9 9	.3 9	9 9	9 9	9 9	8 8	7 7	7 7	7 7	7 7	6 6	5 5	5 5	5 5	4 4	4 4	4 4	4 4	4 4	.2 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	.1 4	.1 4	.2 4	
MARMARTH	SNOWFALL SN ON GND	T 2	.5 3	3 3	3 3	2 2	2 2	2 2	2 2	2 2	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	.1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

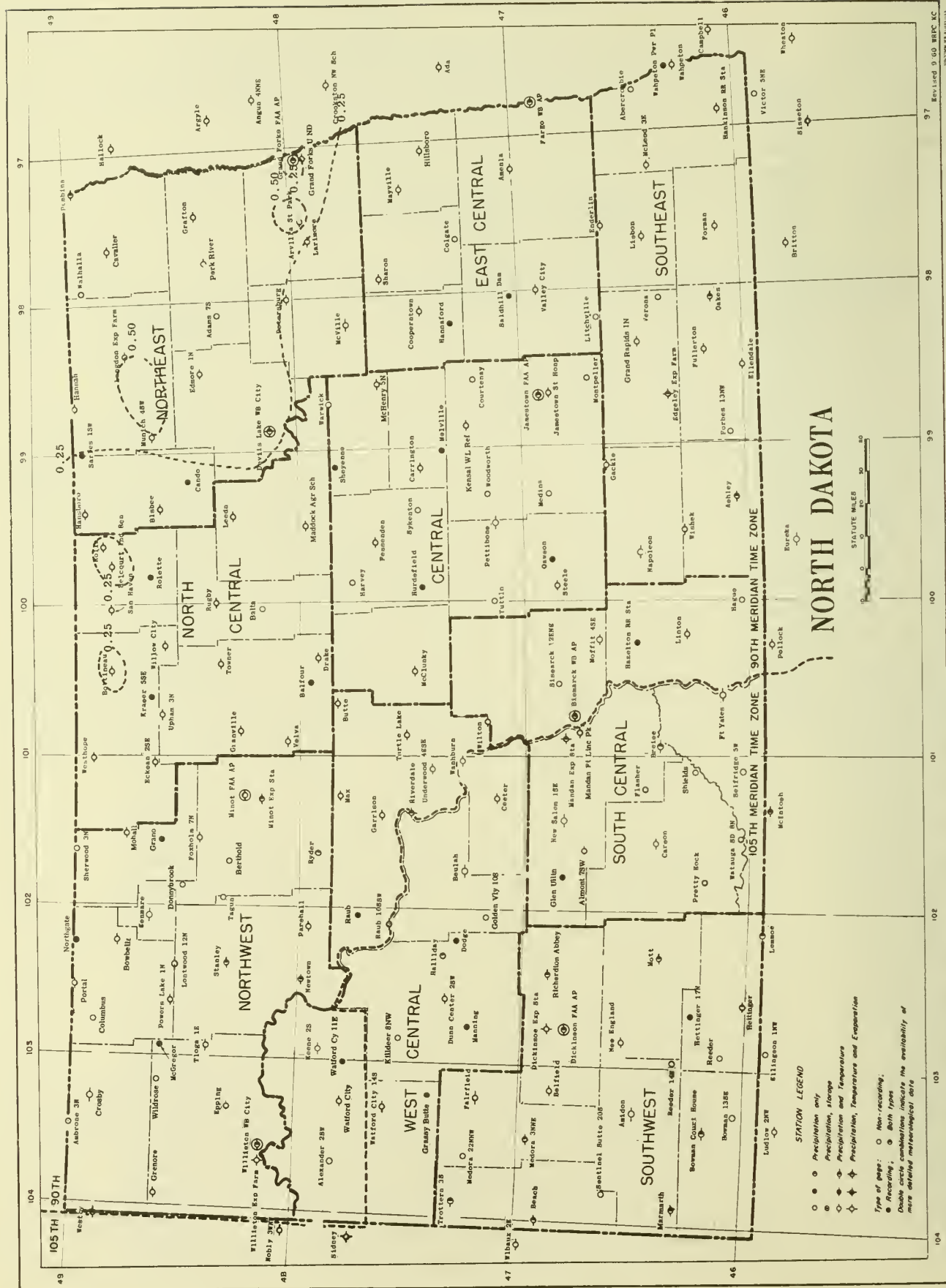
NORTH DAKOTA
JANUARY 1961

Continued

Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MAX	SNOWFALL SN ON GND	3	T 3	T 3		3	3	2	2	2	2	1	1	1	1	1	1	1	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	.4 T	T	
MAYVILLE	SNOWFALL SN ON GND	T 3	T 3	.2 3		3	3	3	T 3	3	3	3	3	T 3	3	3	2	2	2	2	2	T 2	2	2	2	2	T 2	T 2	2	2	.1 2	2	3 3	1.3 3
MC CLUSKY	SNOWFALL SN ON GND	3	.1 3		3	2	2	2	2	2	2	2	2	2	2	2	1	1	.1 1	1	1	1	1	1	1	1	1	1	1	1	1	.2 1	1	
MC HENRY 5 N	SNOWFALL SN ON GND	10	.2 10	1.0 11		11	11	10	10	10	10	10	9	T 9	9	9	9	9	T 9	9	9	9	9	9	9	9	9	9	9	9	9	9	T 9	.3 3
MINOT FAA AIRPORT	SNOWFALL SN ON GND	.1 3	T 3	.1 3		3	2	T 1	T 1	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	.1 T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	.1 T	T T		
MOHALL	SNOWFALL SN ON GND	3	T 3		3	3	2	T 1	1	1	1	T T	T T	T T	T T				T T													T T		
MOTT	SNOWFALL SN ON GND	- 3	- 3	- 3	- 2	- 2	- 2	- 2	- 2	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	
MUNICH 4 SW	SNOWFALL SN ON GND	4	.5 4	.5 5		5	5	5	5	5	5	5	5	T 5	5	5	5	5	T 5	T 5	.5 5	5	5	5	.5 6	6	T 6	6	6	6	T 6	6	2.0 8	
NAPOLEON	SNOWFALL SN ON GND	5	5	5	5	4	3	3	3	3	3	3	2	2	2	2	2	2	T 2	T 2	2	2	2	2	2	2	2	2	2	2	2	1.0 3	3	
PARK RIVER	SNOWFALL SN ON GND	-	.5 3	T 3		3	3	T 3	3	3	3	3	3	3	3	3	3	3	T 3	T 3	T 3	3	3	2	2	2	2	2	2	2	2	2	2.0 4	
PARSHALL	SNOWFALL SN ON GND	2	T 2		2	2	1	1	1	T 1	1	1	1	1	1	1						T T					T T	T T				.1 T	T	
PETERSBURG	SNOWFALL SN ON GND	9	.4 9	.1 9		9	9	9	9	9	8	8	8	8	8	8	7	7	T 7	T 7	.1 7	7	7	7	7	7	7	7	7	7	7	7	1.5 9	
PETTIBONE	SNOWFALL SN ON GND	7	T 7		7	7	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
PRETTY ROCK	SNOWFALL SN ON GND	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T 1	T 1			1.0 2	2	2	2	2	2	1	1	1	1	.5 1	.6 1
RICHARDTON ABBEY	SNOWFALL SN ON GND	T 1	T 1		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	.6 T	T	T	T	T	T	T	T	T	T	.1 T	.6 1	1	
RIVERDALE	SNOWFALL SN ON GND	2	T 2	T 2		2	2	1	1	1	1	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
SHARON	SNOWFALL SN ON GND	7	T 7	1.0 8		8	7	6	T 6	6	6	6	5	5	5	5	5	4	4	T 4	T 4	4	4	4	4	4	4	4	4	4	4	4	4	1.5 6
STANLEY	SNOWFALL SN ON GND	2	T 2	T 2		2	1	1	1	1	1	1	1	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	- T	T	
VELVA	SNOWFALL SN ON GND	8	.6 8		8	7	6	4	4	4	3	3	3	2	2	2	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
WILLISTON WB CITY	SNOWFALL SN ON GND	.1 2	2 2	2 2	2 2	1	1	1	1	1	1	1	T	T	T	T	T	T	T	T	T	T	T	T	T	T	.1 T	.1 T	T T	T T	.1 T	.5 1	T 1	
WILLOW CITY	SNOWFALL SN ON GND	3	.3 3	T 3		3	3	3	T 3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	.5 3	

TOTAL PRECIPITATION

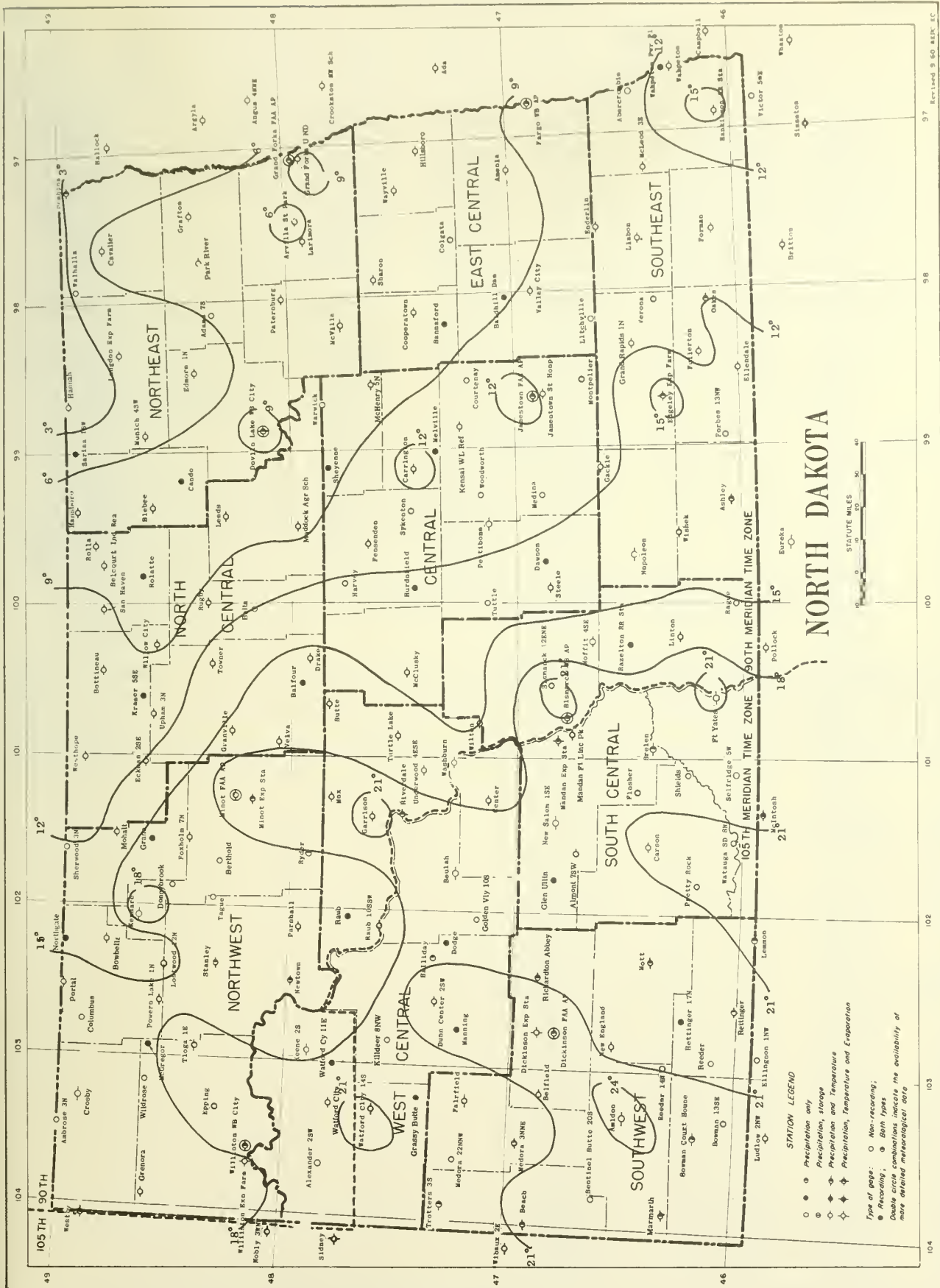
JANUARY 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

JANUARY 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

NORTH DAKOTA
JANUARY 1961

* DRAINAGE CODE: 1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMBINA 10. RED 11. SNEYDEN 12. SOUTHERN 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For these stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

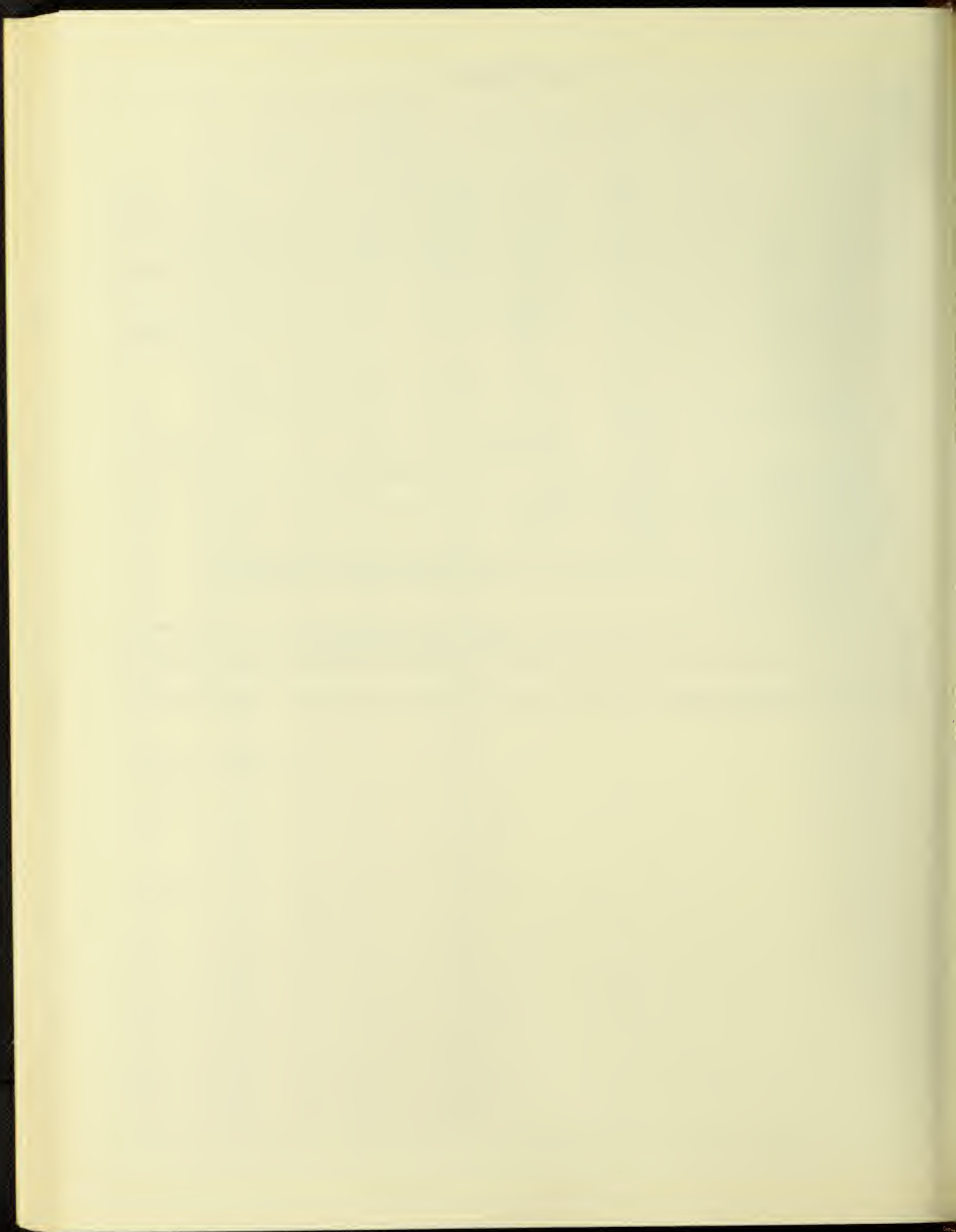
- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by oo entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + Add also oo as earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of stations through 1955 may be found in the publication "Station History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---3-8-61---825



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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

FEBRUARY 1961
Volume 70 No. 2



ASHEVILLE: 1961

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UNIVERSITY OF ILLINOIS

NORTH DAKOTA - FEBRUARY 1961

WEATHER SUMMARY

The cold weather that occurred at the end of January lingered for several days into February. It was during this period that the coldest temperatures of the month occurred, as all of the State experienced sub-zero temperatures. The minus 27 at Pembina was the coldest temperature for the month. At the same time there were snows over the State ranging from one inch in the east and south to four or five inches in a band extending from the central part through to the northwest corner.

By the early part of the second week, the cold arctic air had been replaced by much warmer air and temperatures became unseasonably warm with averages 10 to 20 degrees above normal. Afternoon temperatures were above freezing statewide, reaching into the forties in the west with a few 50° temperatures occurring in the extreme west. During the period from the 3d to the 12th, there was little or no precipitation.

Beginning on the 13th, a series of weak storms brought light snows that lasted for several days. In a few cases the amounts of moisture received were as much as one-quarter inch but amounts were generally less than one-tenth inch. Few areas received more than an additional one or two inches of snow.

Cold arctic air again invaded the State on the 17th, giving sub-zero temperatures and light snow with precipitation amounts less than one-tenth inch. This outbreak was short-lived as warm air moved into the State on the 20th and 21st with the highest temperatures of the month occurring on the 21st. The 59° at Bismarck set a new high temperature record for that date. At Hettinger the mercury reached 68°, the highest temperature in the State for the month of February.

Near blizzard conditions existed in the western part of the State on the 23d, as six inches of snow fell in the northwest portion. A large part of the western third and north-central areas received over one inch of moisture. In this storm Max reported over one inch water equivalent.

From this storm to the end of the month, temperatures moderated and were 10 to 15° above normal.

In retrospect, the northern and western tiers of the State's climatic divisions received more than normal precipitation, while the central and southeast divisions were below normal. All of the State experienced above normal temperatures for the month.

Sanford R. Miller
Weather Bureau State Climatologist
Weather Bureau Airport Station
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 68° on the 21st at Hettinger

Lowest Temperature: -27° on the 2d at Pembina

Greatest Total Precipitation: 2.90 inches at Bisbee

Least Total Precipitation: 0.02 inch at Warwick

Greatest one-day Precipitation: 1.64 inches on the 23d at Bisbee

Greatest Total Snowfall: 24.4 inches at Rugby

Deepest Snow on Ground: 19 inches on the 28+ at Two Stations

SUPPLEMENTAL DATA

NORTH DAKOTA
FEBRUARY 1901

Station	Wind direction		Wind speed m p h				Relative humidity averages percent				Number of days with precipitation							
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total	Percent of possible sunshine
BISMARCK WB AIRPORT	WNW	12	10.1	40	NW	25	75	75	88	88	10	6	1	0	0	0	17	59
DEVILS LAKE WB CITY	NW	-	8.6	29	NW	28	-	84	74	80	8	9	2	0	0	0	19	69
FARGO WB AIRPORT	S	28	15.1	45	NW	28	82	82	78	81	11	6	0	0	0	0	17	56
HILLISTON WB CITY	S	-	6.1	26	N	25+	-	79	73	87	3	4	1	1	0	0	9	61

CLIMATOLOGICAL DATA

Station	Temperature												Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days				
										Max	Min	40° or Above	32° or Below					32° or Below	30° or Below	Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More
NORTHWEST DIVISION																									
ROWRELLS	28.6	4.7	16.7		50	22+	-17	2	1346	0	14	28	10	1.17		.35	2	12.0	7	26	4	0	0		
CROSBY	31.9	8.7	20.3	10.0	50	21+	-18	2	1247	0	12	28	8	1.20	.86	.50	25	8.8	4	23+	4	1	0		
FOXHOLM 7 N	32.1	7.0	19.6	8.2	55	21	-25	2	1266	0	11	28	10	.80	.44	.34	23	10.0	5	24+	3	0	0		
GRENORA	34.4	9.8	22.1		55	21	-13	2	1197	0	10	28	7	.81		.38	25	7.0	6	24+	4	0	0		
KENWARE	30.2	4.8	17.5		53	22	-17	2	1325	0	14	28	12	1.14	.65	.45	23								
LOSTWOOD 12 N	30.2	6.4	18.3		49	21	-15	17+	1303	0	12	28	9	1.58		.90	23	16.7	8	25+	3	1	0		
MINOT FAA AIRPORT	30.4	9.2	19.8		54	21	-18	2	1260	0	13	28	7	1.34		.75	22	11.8	7	25+	3	1	0		
MINOT EXP STATION	//	27.9	6.1	17.0		53	22	-20	2	1341	0	17	28	11	.89		.57	23	13.1	6	24+	2	1	0	
MOHALL	27.0	2.1	14.6	5.2	50	22	-20	3+	1409	0	16	28	13	1.34	.87	.42	26+	14.0	6	28+	5	0	0		
NEWTOWN	31.5	7.2	19.4	10.1	57	21	-19	2	1273	0	14	28	9	1.08	.64	.54	22	9.5	6	24+	3	1	0		
PARSHALL	32.8	5.1	19.0		55	21	-25	2	1285	0	11	28	10	1.12	.81	.62	22	8.4							
PORTAL	29.4M	4.2M	16.8M	8.6	50	22	-16	2	1351	0	14	28	10	1.10	.66	.53	26	8.7	4	28+	5	1	0		
POWERS LAKE 1 N	28.9	3.0M	16.0M		50	22+	-16	2	1365	0	15	28	13	.61		.26	22		4	23+	3	0	0		
STANLEY	31.5	7.6	19.6		51	21	-16	2	1268	0	10	28	8	.79		.35	22	11.4	6	23	3	0	0		
TIOGA 1 E	29.6	4.4	17.0		51	22	-15	2	1340	0	14	28	11	.86		.50	23	8.6							
WILLISTON WB CITY	//R	33.9	10.9	22.4	8.9	57	21	-10	2	1186	0	11	27	6	1.25	.79	.70	22	11.5	7	25+	2	1	0	
WILLISTON EXP FARM		31.7	11.6M	21.7M		54	21	-15	2	1202	0	14	27	7	1.00		.65	22							
DIVISION																									
			18.7	8.2										1.06	.64			10.8							
NORTH CENTRAL DIVISION																									
RELCOURT INDIAN RES	25.0	1.1	13.1		44	8	-26	2	1449	0	17	28	13	1.06		.37	23	10.9	14	28+	4	0	0		
ROTTINEAU	22.9	1.6	12.3	4.7	44	9	-16	18	1474	0	21	28	15	.59	.24	.40	23	9.2	10	28+	1	0	0		
ORAKE	29.2	4.1	16.7	6.8	53	22	-15	3+	1351	0	17	28	12	.56	.18	.39	23		5	26+	2	0	0		
GRANVILLE	31.3	6.7	19.0	8.1	55	21	-19	2	1284	0	11	28	11	1.31	.94	.67	22	12.5	7	27+	4	1	0		
LEEDS	25.1	4.8	15.0		42	21	-22	2	1394	0	18	28	11	.55		.13	26+	6.2	6	2+	4	0	0		
MADDOCK AGRI SCHOOL	26.7	3.9	15.3	5.7	42	21	-19	2	1386	0	17	28	13	.23	.23	.10	23								
ROLLA	25.8	5.6	15.7		43	8	-20	2	1377	0	17	28	10	1.26		.44	23	13.5							
RUGBY	26.1	4.7	15.4		44	21	-17	2	1385	0	17	28	10	1.58	1.19	.56	22	24.4	17	26	4	1	0		
SAN HAVEN	25.5	4.8	15.2	6.4	48	8	-17	18	1390	0	19	28	11	.91	.51	.43	23	9.5	11	28+	3	0	0		
TOWNER	28.3	4.5	16.4	7.1	47	21	-19	18	1354	0	18	28	11	.98	.53	.49	23	17.0	19	24	3	0	0		
UPHAM 3 N	26.6	1.7	14.2		42	21	-20	2	1419	0	18	28	14	1.28		.53	23	14.7	11	28+	3	1	0		
VELVA	32.6M	7.8	20.2M	7.6	54	21	-19	2	1254	0	13	28	11	1.40	.97	.71	22	13.1	8	24	3	1	0		
WESTHOPE	24.6	3.8	14.2	6.5	42	22	-17	2	1418	0	18	28	10	.99		.31	22	15.0	14	28+	4	0	0		
WILLOW CITY	25.1	0.7	12.9	6.1	45	22	-21	2	1455	0	19	28	14	.89	.50	.36	23	7.8	8	28+	2	0	0		
DIVISION																									
			15.4	6.2										.97	.56			12.8							
NORTHEAST DIVISION																									
ARVILLA STATE PARK	26.6	2.7	14.7		39	28+	-25	2	1404	0	17	28	15	.47		.16	14	6.0							
BISBEE	22.9M	3.1M	13.0M		38	8	-21	2	1452	0	23	28	14	2.90		1.64	23	15.0	19	28+	5	2	1		
CAVALIER	26.4M	5.5	16.0M		41	22+	-22	2	1353	0	20	28	11	.65		.12	26+	5.7	10	4+	3	0	0		
DEVILS LAKE WB CITY	25.0	5.9	15.5	6.8	45	21	-15	2	1381	0	17	28	10	.62	.21	.19	23	6.8	10	3+	2	0	0		
EDMORE 1 N	23.7	2.1	12.9		38	9+	-22	2	1452	0	20	28	14	.26		.13	23		4	7+	1	0	0		
GRAFTON	24.5	5.3	14.9	5.2	38	28+	-22	2	1396	0	18	28	9	.39	.19	.21	15								
GRAND FORKS FAA AIRPORT	R	24.1	8.5	16.3		38	22	-23	2	1358	0	17	28	7	.28		.09	14	3.6	4	27+	0	0	0	
GRAND FORKS UNIVERSITY	R	24.8	7.6	16.2	7.3	40	28	-20	2	1361	0	16	28	7	.39	.16	.13	15	6.0	12	20	1	0	0	
HANNAH	23.1M	1.2M	12.2M		39	22	-25	2	1476	0	23	28	12	1.00	.55	.34	23	9.5	13	27+					
HANSBORO	27.3M	7.9M	17.6M	10.2					1323	0	22	28	10					6	24+						
LANGOON EXP FARM	23.9	1.6	12.8	6.3	40	8	-22	1	1457	0	21	28	12	.95	.37	.42	23	7.9	9	28+	3	0	0		
LARIMORE	25.8	5.4	15.6	5.7	41	22	-20	2	1379	0	17	28	10	.57	.11	.20	23								
MC VILLE	25.1	4.3	14.7		44	21	-17	2	1404	0	17	28	12	.21		.11	23	3.0	4	7+	1	0	0		
MUNICH 4 SW	23.2	1.5	12.4		37	25	-23	2	1468	0	20	28	13	.93		.24	23	8.3	8	4+	4	0	0		
PARK RIVER	26.5	7.0	16.8	7.8	41	8	-19	2	1344	0	17	28	9	.45	.09	.25	15	6.2							
PEMBINA	24.3	3.1	13.7		43	8	-27	2	1430	0	21	28	11	.68	.24	.22	15	4.7							
PETERSBURG	24.8	4.1M	14.5M		40	21	-18	2	1416	0	19	28	11	.41	.02	.12	23	4.1	9	7+	2	0	0		
DIVISION																									
			14.7	6.8										.70	.24			6.8							
WEST CENTRAL DIVISION																									
AREULAH	34.3	8.3	21.3		58	21	-24	2	1217	0	10	28	8	.55		.28	22								
ROUTE CENTER	28.0	6.4M	17.2M		52	22	-17	2	1324	0	17	28	10	.68		.37	23								
DUNN CENTER 2 SW	31.5	7.9	19.7		57	21	-22	2	1264	0	14	28	9	.73		.28	1	7.5	5	7+	3	0	0		
GARRISON	33.3	8.8	21.1	6.9	57	22	-22	2	1226	0	10	27	9	.95	.56	.55	23	8.0	4	25+	2	1	0		
KEENE 2 S	27.2M	3.1M	15.2M	2.8	54	22	-14	3+	1409	0	17	28	15	1.08	.54	.62	23								
MAX	32.3	9.2	20.8		53	21	-15	3	1233	0	12	28	9	1.44		.79	22	17.2	11	23	3	1	0		
MAUB 10 SSW	27.5	3.4	15.5	5.5	51	22	-14	3+	1384	0	16	28	14	1.60	1.20	.97	23	15.6	9	24+	3	1	0		
RIVERDALE	//	33.6M	10.1M	21.9M		54	21	-14	2	1203	0	13	28	8	.79		.40	1							
		28.1	5.4	16.8		55	22	-16	2	1344	0	17	28	13	.78		.39	23	7.0	4	24+	3	0	0	

NORTH DAKOTA
FEBRUARY 1961

NORTH DAKOTA
FEBRUARY 1961

See reference notes following Station Index.

NORTH DAKOTA
FEBRUARY 1961

See reference notes following Station Index.

DAILY PRECIPITATION

NORTH DAKOTA
FEBRUARY 1961

Continued

Continued

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
POWERS LAKE 1 N	.61	.06	.12												.01	T	.10	T	T			T	.26	T							.07	T
PRETTY ROCK	.04																						.02	T							.01	
RAUB 10 SSW	.79	.40	T																					.30	.09							
REEDER	.56	.18																	.06	T				.32								
REEDER 14 N	.27	.09	T																					.18	T							
RICHARDTON ABBEY	.83	.33	.01										T		T	T	T		T				.35	.12	T		T					
RIVERDALE	.78	.11	.08												.13	.04				.04		.02		.39	.05							.05
ROLLA	1.26	.05											.04		.14	.08	T			.03	.02	.01		.36	.44							.14
RUGBY	1.58	.11	.08										.02		.02				T				.56	.42	.04	T						.07
RYDER	.84	.15	T																					.41	.06							
SAN HAVEN	.91	.04	T										.02	T	.08	.02				.03	T		.15	.43	.02					.12		
SELFIDGE 5 W	-																															
SENTINEL BUTTE 20 S	.52	.19											T						T				.33									
SHARON	.20	T	.02												T	.03	T	.05				.02	T	.08						.55	.05	
SHERWOOD 3 N	1.38	.15													.09	T	T					T	.09	.45								
SHIELDS	.18	.15	.01												T								.02	T		T						
STANLEY	.79	.26													.07			T	T		.01		.35	.11		.01						
STEELE	.30	.20	T										T		.04	T	T				.02		.02	.02								
SYKESTON	.37	T	.30												.09	.03	T					.02	T		.04	T						
TAGUS	.66	.13																														
TIOGA 1 E	.86	.20	.10																			.01		.50	.03		.02					
TOWNER	.98	.14														.09					.06		.11	.49	.09							
TRDITERS 3 S	.71	.20																T	T		T		.49	T						.02		
TURTLE LAKE	.92	.42	.02										T		T						.02		.35	.05	.01	.01	.04					
TUTTLE	.43	.35	T												.08		T															
UNDERWOOD 4 ESE	.50	.21	.01												T								.06	.16	.04							
UPHAM 3 N	1.28	.07	T												T	.08	.05				.02	T	.14	.53	.06	T	.33					
VALLEY CITY	.29	.20	T			T									.03	.01		.01				.02										
VELVA	1.40	.26																				.01	.71	.31	.04		.01					
VERONA	.03	.03																														
WAMPETON	.20	.20													.06	T	.19						.06	.06			.09					
WALHALLA	.46														T	T																
WARMICK	.02	T													T						.02		.40	.01								
WASHBURN	.83	.39	T											.03	T								T	.08								
WATAUGA 5 DAKOTA 8 N	.28	.20																														
WATFORD CITY	-	-	-	-	-	-	-	-	-	-	-	-	-		.02					.02	.02		.26	.16		.04						
WATFORD CITY 14 S	.87	.18	T												T		T			T	T		.65	.04								
WESTHOPE	.99	.08										T			.18	T				T	T		.31	.12		.30						
WILOROSE	1.21	.29																					.63									
WILLISTON W8 CITY	1.25	.34											T		T	.05				.03	T		.70	.07		.06	T					
WILLISTON EXP FARM	1.00	.15	.02																				.65	.13								
WILLOW CITY	.89	.02	T										.03	T	T	.02		T			.02		.34	.36		.09						
WILTON	.25	.10																														
WISHEK	D .73	D .20	D .20				T										T				0.03											
WOODWORTH	.15	.07	.04																			.04	T									

DAILY TEMPERATURES

NORTH DAKOTA
FEBRUARY 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX MIN	15 1	6 -13	16 0	24 0	29 0	22 6	24 11	38 17	43 26	50 31	44 30	40 26	36 20	46 20	35 6	23 12	13 -5	12 -8	32 5	51 23	61 35	47 21	27 10	29 3	46 24	38 24	43 23	41 28			33.1 13.6	
AMENIA	MAX MIN	9 -10	8 -13	10 -8	16 -8	15 -3	23 2	26 10	32 9	37 19	43 14	40 25	36 23	35 25	30 8	29 9				10 -4	36 -6	43 28		12 12	7 7	13 13	20 20	20 20			28.0 8.3		
AMIDON	MAX MIN	36 12	20 6	24 7	23 29	36 36	15 15	33 20	36 20	47 24		32 32	33 33	43 29	42 17	44 10	31 17	21 -4	21 -3		35 16	51 33	61 43	42 31	22 14	22 4	45 14		37 26	36 35		35.5 16.8	
ARVILLA STATE PARK	MAX MIN	5 -17	3 -25	17 -9	25 -3	27 -1	30 -4	28 3	36 10	39 11	33 13	37 19	34 21	33 22	24 -1	16 5	24 2	20 -9	4 -14	21 -17	28 0	39 16	30 15	26 11	17 -1	38 37	37 35	39 39	6 6			26.6 2.7	
ASHLEY	MAX MIN	11 0	7 -15	12 -8	21 -5	17 -12	20 10	24 9	28 8	37 4	40 3	38 23	35 21	33 11	25 1	24 3	23 9	17 -8	6 -10	19 -1	38 13	44 24	33 28	34 10	43 1	38 10	40 1	38 15			28.2 6.4		
BEACH	MAX MIN	23 13	26 -13	20 -3	35 3	35 4	44 12	40 18	47 20	43 28	56 30	43 32	45 30	34 22	45 10	36 22	22 11	-5 -5	5 -5	22 22	40 3	51 17	60 31	40 10	17 0	41 7	46 24	34 21	40 21			37.4 13.9	
BELCOURT INOIAN RES	MAX MIN	5 -17	2 -26	14 -7	37 -10	26 0	22 -3	27 9	44 8	39 7	34 17	39 20	35 26	31 18	19 -2	10 -13	19 5	10 -11	8 -18	13 -12	24 10	39 12	18 1	33 1	32 -3	38 6	32 19	28 2	5 5			25.0 1.1	
BELFIELD	MAX MIN	19 1	10 -16	30 6	31 9	35 11	38 11	42 8	43 16	48 21	53 29	51 33	43 29	38 20	42 19	33 13	29 10	19 -4	19 2	37 2	51 21	55 31	46 21	39 10	46 1	36 23	38 21	44 5			37.0 13.7		
BEULAH	MAX MIN	14 1	9 -24	23 2	21 -9	31 -10	35 -8	35 8	41 8	42 7	48 18	40 25	44 21	37 23	43 13	37 2	23 13	3 -3	11 -6	31 -8	52 8	58 31	46 20	21 11	34 -5	38 18	46 31	41 19	25 25			34.3 8.3	
BISBEE	MAX MIN	7 -15	0 -21		17 -6	20 -5	25 -4	30 -8	38 12	32 16	36 17	32 20	36 27	30 18	18 0	20 10	10 -12	3 -16	12 -10	26 -2	33 17	32 20	20 4	15 -8	35 6	31 20	24 10	26 4			22.9 3.1		
BISMARCK WB AIRPORT	MAX MIN	11 0	4 -21	18 -3	15 -9	13 -13	21 -3	24 4	35 -3	28 2	46 8	41 24	39 26	36 16	32 12	26 5	26 9	12 -1	11 -6	25 -2	46 7	59 30	46 20	20 14	30 3	50 24	40 27	45 25	43 25			30.1 7.9	
BOTTINEAU	MAX MIN	20 -7	-3 -15	8 -12	17 -7	24 0	25 5	24 10	30 7	44 15	34 17	34 22	38 24	33 18	23 0	10 -14	15 -12	15 -11	12 -16	8 -13	14 0	33 5	41 22	27 5	10 -10	22 -5	31 13	26 -2	25 5			22.9 1.6	
BOWBELLS	MAX MIN	16 -7	1 -17	12 -13	30 3	36 7	38 13	37 16	41 19	43 20	50 19	39 27	36 28	38 17	45 5	36 -13	25 -9	18 -13	14 -13	9 -5	14 2	22 5	41 20	28 4	14 -10	34 -3	36 14	28 3	37 4			28.6 4.7	
BOWMAN COURT HOUSE	MAX MIN	29 -10	14 -4	31 4	25 4	39 5	38 5	42 32	47 30		46 26	45 23	36 22	38 22	45 12	36 21	25 12	18 21	24 36	38 53	53 61	42 21	16 36	40 12	45 45	45 19	43 25	42 25			37.2		
BREIEN	MAX MIN	19 4	7 -20	17 -5	18 -11	24 -9	25 -9	28 5	35 -9	33 3	51 8	43 17	41 19	34 12	32 10	28 8	18 -2	10 -6		32 -4	55 24	61 33	53 28	31 13	31 3	51 18	45 25	46 19	43 20			33.7 7.2	
BUTTE	MAX MIN	17 -7	-4 -17	8 7	17 2	32 2	25 5	28 7	39 17	47 29	47 17	43 27	36 29	29 23	32 8	13 -6	20 -8	9 -12	10 -11	24 -11	44 3	52 13	39 6	13 -4	27 -3	42 19	35 15	40 18			28.0 6.4		
CARRINGTON	MAX MIN	15 -6	-1 -16	6 -15	17 -4	23 -3	25 2	26 3	28 14	30 15	39 11	40 18	41 26	34 24	28 4	20 -2	21 -5	6 -13	7 -13	10 -5	4 -13	45 40	40 30	12 11	29 0	43 19	34 16	40 18			26.1		
CARSON	MAX MIN	25 4	8 -14	8 -1	18 -4	24 -2	32 6	26 10	27 7	39 14	47 25	55 28	47 26	42 27	36 17	38 10	28 12	27 -5	16 -7	20 0	35 15	53 22	61 32	49 12	17 -5	42 8	47 24	44 20	46 23			34.2 10.9	
CAVALIER	MAX MIN	7 -21	0 -22	17 -10	30 3	30 5	30 2	35 10	41 14	35 24	30 13	39 20	32 25	33 22	22 0	10 -4	24 5	20 -7	12 -12	24 -8	28 -3	41 15	20 20	8 8	0 0	32 17	35 12	31 12	35 12			26.4 5.5	
CENTER	MAX MIN	15 1	5 -22	14 -2	25 -10	26 -8	20 -9	25 9	38 2	46 4	50 15	38 25	38 21	36 15	34 10	32 1	26 11	13 -5	11 -9	26 -6	48 16	57 32	45 23	26 10	47 17	36 22	42 39	39 31			31.5		
COOPERSTOWN	MAX MIN	7 -14	10 -14	11 -3	20 -5	22 -3	23 5	27 11	30 8	36 11	34 15	37 23	34 26	32 15	25 1	17 -1	22 10	16 -7	8 -10		16 -4	36 5	43 22	38 25	27 8	21 1	37 10	38 18	39 13	37 20			26.5 6.9
CROSBY	MAX MIN	9 -5	13 -18	31 4	33 0	34 3	36 11	34 18	43 24	43 18	50 26	46 28	37 30	33 14	27 7	21 -9	18 2	17 -3	13 -7	27 -1	41 4	50 22	43 18	32 5	38 -8	32 20	36 16	38 6	38 18			31.9 8.7	
DEVILS LAKE WB CITY	MAX MIN	-3 -14	7 -15	17 -1	22 1	28 3	27 0	30 10	33 14	36 14	38 17	33 24	33 26	31 11	12 1	11 -7	20 4	5 -11	5 -24	15 -5	35 4	45 25	40 17	35 4	45 17	30 14	33 17	33 12	30 20			25.0	
DICKINSON FAA AIRPORT	MAX MIN	12 -2	10 -14	31 5	36 7	37 5	36 13	37 10	45 20	47 29	55 32	42 30	42 27	35 20	45 14	31 9	28 2	13 -5	15 1	37 4	52 23	62 34	47 18	18 6	37 3	45 25	36 21	43 24	43 26			36.3	
DICKINSON EXP STATION	MAX MIN	26 6	20 -18	27 1	29 1			37 7	37 9	41 20	45 25	52 32	43 25	42 24	33 17	43 7	32 10	22 -5	15 -4	15 -3	37 -3	52 14	61 32	42 10	15 -3	37 -3	47 20	36 22	43 24			35.7 11.2	
DRAKE	MAX MIN	16 -8	-3 -15	10 -15	19 -3	30 -2	31 6	27 8	30 15	41 11	42 18	46 24	47 26	35 22	30 8	28 -8	18 -6	22 -8	7 -13	15 -13	23 4	44 23	53 18	39 20	15 -9	40 -6	42 16	36 12	44 15			29.2 4.1	
DUNN CENTER 2 SW	MAX MIN	23 6	11 -22	12 -18	24 -2	33 -4	36 0	37 5	41 10	43 15	43 15	49 30	41 25	42 26	35 18	42 6	26 9	20 -5	12 -3	14 -5	32 10	49 20	57 35	40 10	15 20	35 3	43 21	42 22	44 24			33.8 8.1	
EOGELEY EXP FARM	MAX MIN	16 0	2 -15	4 -15	9 -7	17 -3	23 -5	23 13	32 11	32 13	35 14	40 14	40 14	36 17	33 7	25 5	17 5	25 -3	8 -8	9 -7	18 3	43 9	52 29	45 13	19 6	27 6	45 19	38 20	42 20			26.6	
EDMORE 1 N	MAX MIN	-5 -18	3 -22	14 -5	21 -8	26 -4	24 -1	28 10	38 8	38 19	33 19	36 21	31 25	38 18	41 -4	15 -10	20 -10	13 -15	11 -10	27 -10	35 14	37 19	19 2	19 -8	35 8	35 19	30 3	27 10			23.6 2		
ELLENOALE	MAX MIN	12 0	11 -12	11 -11	25 -2	22 -2	22 15	22 5	30 15	38 14	42 16	38 26	40 14	36 17	28 7	36 15	28 -2	19 7	11 -6	18 2	37 7												

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Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GARRISON	MAX MIN	17 -7	2 -14	7 -14	9 -5	16 -4	26 -4	29 -5	31 9	42 12	36 12	50 15	34 20	38 20	28 12	27 -3	16 -4	20 -6	10 -8	11 -8	22 -3	54 10	48 -5	14 0	28 18	40 20	40 22	39 22					27.2 3.1	
GRAFTON	MAX MIN	2 -20	-3 -22	12 -11	19 -4	21 2	24 1	28 12	38 10	34 21	32 14	38 21	34 26	24 23	10 -1	25 5	23 -6	5 -12	11 -5	21 -6	30 17	38 23	25 9	20 1	33 7	37 23	34 9	38 10					24.5 5.3	
GRAND FORKS FAA AIRPORT	MAX MIN	-6 -15	-3 -23	12 -6	15 -2	23 2	21 11	27 13	33 9	32 14	33 18	37 25	35 29	34 19	17 5	26 19	11 5	-6 -9	5 -10	12 17	30 36	38 29	32 20	16 4	36 10	34 25	33 15	37 24					24.1 8.5	
GRAND FORKS UNIVERSITY	MAX MIN	-4 -16	2 -20	12 -9	15 -4	23 1	21 9	26 4	33 11	32 14	33 16	38 24	35 28	34 23	16 3	27 3	19 4	-4 -10	-7 7	11 17	26 34	37 29	33 10	17 3	35 11	35 24	36 14	40 24					24.8 7.6	
GRAND RAPIDS 1 N	MAX MIN	8 -1	12 -14	10 -12	19 -10	22 -7	24 9	29 13	36 5	35 13	34 8	40 20	42 26	35 29	24 1	26 13	-4 -5	-10 -8	-7 -3	10 5	40 28	45 29	29 12	48 8	25 12	47 20	44 17	41 21					30.3 8.3	
GRANVILLE	MAX MIN	6 -8	11 -19	23 0	35 -5	40 0	35 7	39 14	43 17	46 12	48 20	45 29	35 20	35 20	19 7	19 -10	7 -7	-11 -11	-6 -6	-1 -1	21 21	16 16	6 6	-8 -8	15 15	16 16	10 10	16 16					31.3 6.7	
GRENOBA	MAX MIN	15 -5	15 -13	30 2	28 0	38 3	43 17	44 22	43 19	44 18	52 30	41 25	39 28	33 15	37 10	25 -3	20 3	12 -4	18 -7	32 3	43 7	55 27	50 16	18 6	33 -9	40 27	35 13	39 10	41 15					34.4 9.8
HANKINSON R R STATION	MAX MIN	18 2	12 -9	12 -6	17 -3	25 -1	26 13	30 20	37 13	34 17	40 27	41 12	30 26	27 12	27 26	41 15	3 3	8 -5	8 -5	22 12	43 12	52 34	55 22	24 9	23 10	43 12	41 20	43 22					30.2 10.1	
HANNAH	MAX MIN	-2 -20	5 -25	18 -3	25 -7	23 2	24 0	30 10	38 11	36 9	32 19	36 21	30 20	27 17	10 -8	11 -15																	23.1 4.2	
HANSBORD	MAX MIN	2 -18	-2 -20	17 -5	25 4	29 12	25 7	30 15	39 18	38 15	30 18	35 15	32 12	17 15																				27.3 7.9
HETTINGER	MAX MIN	21 9	10 -13	24 -1	37 3	32 -1	28 12	43 18	47 24	59 31	45 29	47 27	39 24	45 21	33 10	32 9	17 -4	23 -1	40 6	54 29	68 41	48 21	26 11	40 31	45 35	39 21	44 18	44 24						38.1 14.0
HILLSBORO	MAX MIN	11 -15	2 -17	12 -6	15 -6	23 -3	20 8	26 7	35 10	36 13	32 15	40 25	39 26	28 25	20 6	30 7	28 11	20 -4	14 -10	30 -4	25 3	41 26	45 32	32 14	20 6	35 11	23 23	41 19	41 25					27.4 8.8
JAMESTOWN FAA AIRPORT	MAX MIN	2 -6	3 -10	10 -10	17 -3	23 -1	22 3	28 11	29 13	35 13	34 9	37 28	35 25	32 23	22 4	24 2	6 -3	8 -10	0 -3	16 8	39 33	46 41	42 21	28 34	43 15	36 22	42 17	22 22						26.7 7.8
JAMESTOWN STATE HOSP	MAX MIN	5 -5	3 -10	10 -10	15 -3	24 -1	23 3	28 11	29 13	33 13	35 9	38 28	35 25	32 23	26 4	19 2	23 -3	16 -10	6 -3	16 8	42 33	47 21	27 10	24 5	41 15	37 22	42 19	22 22						26.9 9.1
KEENE 2 S	MAX MIN	5 -9	6 -14	15 -15	27 -6	38 -2	37 12	44 15	38 16	41 21	48 29	41 26	39 28	32 18	25 -2	39 5	25 -10	18 -4	10 -4	14 3	31 11	46 29	53 18	28 2	31 -3	40 27	34 15	40 22	38 15					32.3 9.2
KENMARE	MAX MIN	17 -7	-2 -17	13 -12	31 0	39 5	40 15	36 15	42 15	43 18	50 17	41 28	40 28	25 18	17 4	13 -13	18 -12	10 -13	-7 -7	0 0	43 7	53 27	30 5	15 -7	33 1	39 15	31 10	39 9						30.2 4.8
KENSAL WILDLIFE REFUGE	MAX MIN	8 -8	3 -19	11 -12	21 -7	23 -5	24 -2	28 5	31 9	39 10	38 10	41 27	36 22	34 22	24 1	22 -2	16 -6	7 -14	20 -7	39 3	46 28	43 29	27 7	40 11	44 11	41 20	40 17							28.6 5.9
LANGDON EXP FARM	MAX MIN	-6 -22	5 -20	15 -5	23 -8	25 2	24 0	28 10	40 10	38 6	33 16	37 22	35 20	30 17	12 -9	22 -15	17 -6	11 -20	11 -4	25 -10	32 15	34 19	18 -13	33 5	32 16	26 3	31 9							23.9 1.6
LARIMORE	MAX MIN	-1 -17	3 -20	10 -11	21 -7	24 -1	23 2	27 11	38 17	40 17	32 15	40 25	34 17	33 22	23 1	15 -1	25 -6	14 -13	7 -11	13 -11	29 22	40 21	24 9	35 1	38 7	36 22	34 14							25.8 5.4
LEEOS	MAX MIN	0 -14	4 -22	17 -5	22 -8	25 -3	26 1	30 15	34 10	35 10	38 15	33 24	32 18	12 3	19 18	12 -11	19 -4	12 -6	8 -23	15 -6	35 23	37 18	22 5	38 -8	35 15	30 10	28 20							25.1 4.8
LINTON	MAX MIN	19 10	10 -7	13 -5	17 -7	15 -10	24 8	29 2	29 6	33 20	38 22	44 23	39 24	40 25	26 10	28 6	18 -8	10 -4	10 -8	22 12	43 37	52 22	47 22	37 3	29 4	48 20	44 22	47 20						31.9 10.4
LISBON	MAX MIN	15 -3	8 -12	15 -15	19 -11	23 -3	22 -2	29 17	29 12	36 16	39 9	37 22	35 28	32 28	22 2	22 4	25 15	-6 -1	2 -2	6 6	25 25	34 17	9 9	10 10	25 25	18 18	24 24							29.8 9.5
LOSTWOOD 12 N	MAX MIN	9 -10	9 -15	4 -4	40 -1	35 9	34 10	38 13	42 20	40 13	46 22	46 22	38 27	32 13	21 0	15 -14	13 -15	7 -11	10 -4	23 -4	41 1	46 17	18 4	24 -8	38 11	34 11	36 6	16 16						30.6 6.4
MADDOCK AGRI SCHOOL	MAX MIN	3 -12	3 -19	18 -7	20 -2	27 -3	26 -6	30 3	31 8	33 7	41 8	38 23	34 26	33 19	24 0	16 -6	18 -10	13 -6	7 -10	17 -10	40 19	42 18	5 5	27 11	40 15	37 11	38 15	32 17						26.7 3.9
MANDAN EXP STATION	MAX MIN	21 3	3 -16	4 -15	13 -8	17 -8	21 -1	23 12	23 6	36 12	47 20	41 24	39 25	30 10	31 4	31 4	18 -5	9 -9	11 -8	24 2	47 16	59 32	43 11	15 0	48 4	39 24	44 22							28.6 6.6
MANDAN FT LINCOLN PARK	MAX MIN	17 -1	0 -20	14 -2	17 -11	20 -13	23 -4	24 11	38 18	39 24	51 23	43 21	41 26	33 31	25 7	0 0	24 -9	19 -13	12 -6	31 6	47 29	60 55	25 6	30 -2	52 21	43 23	52 28							33.1 7.7
MARMARTH	MAX MIN	38 16	20 -13	20 -10	35 6	31 -8	40 8	43 14	45 11	47 18	50 25	62 26	49 27	47 23	39 21	47 14	40 18	27 -6	19 -1	19 8	40 18	53 25	63 30	40 12	19 3	45 10	46 29	39 24						40.3 13.0
MAX	MAX MIN	18 -4	-4 -14	-14 -14	15 -3	25 -5	26 -4	29 -3	27 -5	42 -4	36 12	50 24	47 24	47 20	39 5	27 -7	18 -6	20 -10	19 -10	23 -3	43 4	51 30	23 6	28 -5	45 -2	36 16	45 13							27.5 3.4
MAYVILLE	MAX MIN	5 -15	5 -18	12 -10	18 -2	23 0	20 9	28 13	32 12	31 14	32 12	37 25	34 24	26 24	16 4	26 4	22 2	5 -10	19 -3	14 -10	31 -4	43 27	40 29	29 19	35 15	36 22	39 23	37 18						26.0 8.3
MC CLUSKY	MAX MIN	9 -6	6 -16	15 -3	21 -3	24 -2	23 1	25 13	38 9	44 16	45 16	42 24	37 23	35 21	26 7	21 5	21 -8	11 -12	8 -															

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Station	Day Of Month																																	Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MUNICH 4 SW	MAX MIN	3 -18	1 -23	16 -5	21 -7	23 -6	23 -3	28 8	31 8	35 11	33 10	33 16	36 11	28 19	20 -3	10 -8	20 8	12 -11	3 -16	11 -9	23 -3	33 14	35 16	17 3	28 -7	37 7	35 18	27 4	28 8			23.2 1.5		
NAPOLEON	MAX MIN	9 -1	9 -13	15 -6	21 -3	14 -7	25 4	23 13	5 5	35 4	39 6	40 22	38 23	35 27	29 1	25 0	23 8	15 -10	5 -12	21 -1	38 9	43 28	42 28	30 10	21 -4	44 12	40 21	40 17	39 17			28.0 7.1		
NEW ENGLAND	MAX MIN	18 8	11 -18	26 0	25 3	38 -5	37 -5	38 2	40 10	46 24	55 26	44 31	43 28	58 24	45 18	51 10	29 10	16 -6	15 -2	38 2	52 19	61 32	47 24	39 11	47 31	36 20	44 21	42 26			36.5 12.3			
NEW SALEM 1 SE	MAX MIN	13 -1	2 -15	12 -2	25 -2	24 -3	25 1	22 10	59 10	40 15	49 31	45 29	41 21	57 22	56 15	52 3	25 10	12 -5	11 -10	29 -1	50 12	59 24	45 20	29 14	45 -1	39 24	44 22	42 25			31.8 10.3			
NEWTOWN	MAX MIN	10 -3	8 -19	25 3	20 -4	27 -9	30 3	31 11	57 10	42 10	50 20	43 21	58 26	36 19	40 13	32 -4	20 10	13 -7	10 -7	26 -6	41 3	57 26	52 21	22 7	41 19	33 18	40 13	40 16			51.5 7.2			
OAKES	MAX MIN	18 0	1 -9	10 -10	10 -7	15 -6	20 11	21 12	27 8	26 15	32 15	33 20	59 25	37 25	33 4	26 5	25 6	25 -1	6 -7	8 -5	17 5	32 13	40 23	43 18	18 9	22 8	35 2	27 3	38 16			24.4 7.2		
PARK RIVER	MAX MIN	6 -16	1 -19	14 -11	29 1	30 6	28 4	30 11	41 18	39 22	34 17	39 25	38 28	34 23	23 1	11 0	24 6	21 -7	5 -11	10 -7	27 0	34 16	40 23	23 10	35 -1	37 10	31 21	35 14	35 12			26.5 7.0		
PARSHALL	MAX MIN	11 -4	8 -25	22 -2	23 -12	30 -13	38 5	35 11	40 6	42 9	51 20	45 24	40 26	36 19	40 8	35 -8	19 9	12 -10	11 -8	25 -9	46 -2	55 24	51 18	20 6	24 -14	41 17	38 16	40 10	39 17			32.8 9.1		
PEMBINA	MAX MIN	6 -23	3 -27	16 -11	22 -3	23 4	25 11	30 11	43 11	34 11	31 6	36 19	33 18	32 19	20 -3	10 -5	25 5	19 -6	3 -16	12 -8	24 -2	36 15	26 10	18 -5	30 5	33 21	38 5	30 9			24.3 3.1			
PETERSBURG	MAX MIN	1 -17	9 -18	13 -9	20 -4	25 0	24 2	27 9	34 8	59 11	31 18	37 26	32 22	22 15	0 -6	12 -5	21 5	14 -7	6 -12	13 -9	28 1	40 21	35 20	20 5	36 7	36 8	33 18	33 7			24.8 4.1			
PETTIBONE	MAX MIN	9 -7	5 -13	9 -8	17 -6	15 -9	22 -5	23 4	30 2	32 7	39 7	38 21	36 36	35 35	25 0	23 -7	18 8	12 -9	7 -15	17 -3	37 5	43 19	39 28	33 7	24 -5	42 10	37 12	37 19			26.1 2.3			
PORTAL	MAX MIN	12 -8	15 -16	29 -12	29 -5	39 -2	36 11	40 12	41 18	40 25	41 22	49 25	38 25	37 15	20 5	13 -13	14 -9	10 -15	9 -12	14 -4	25 10	42 8	50 25	27 4	14 -8	37 3	35 28	28 7	39 10			29.4 4.2		
POWERS LAKE 1 N	MAX MIN	11 -4	3 -16	11 -11	28 -5	38 -2	34 3	35 9	43 15	42 12	41 13	50 25	47 25	37 15	27 7	28 -5	27 -12	12 -9	8 -9	10 -5	24 8	42 8	50 21	27 6	38 -3	27 6	30 4	37 6			28.9 3.0			
RAUB 10 SSW	MAX MIN	14 -2	15 -14	20 -2	28 -2	29 2	34 8	31 14	40 16	46 18	55 29	50 28	40 20	28 22	40 10	36 0	19 10	13 -10	18 -10	26 -2	49 10	64 34	50 19	20 9	28 -5	41 25	38 20	35 20			33.6 10.1			
RICHARDSON ABBEY	MAX MIN	18 3	8 -14	23 -2	23 6	35 5	33 7	31 10	38 16	46 25	53 29	48 36	43 26	40 25	43 17	38 5	28 13	14 -5	14 -4	35 3	51 22	61 33	49 25	26 9	46 1	36 26	43 22	41 27			35.7 14.0			
RIVEROALE	MAX MIN	18 -1	2 -16	8 -14	16 -5	20 -5	23 -5	26 5	25 9	37 13	37 12	50 15	39 24	39 25	28 12	32 -2	20 2	20 -2	10 -9	10 -9	25 -3	46 12	55 31	40 9	16 -1	28 0	43 20	35 20	40 20			28.1 5.4		
ROLLA	MAX MIN	4 -16	3 -20	19 -4	39 3	27 9	25 7	30 10	43 15	38 20	35 18	41 25	31 27	33 17	10 0	22 -8	9 8	5 -14	15 -6	28 -2	37 14	39 10	12 3	20 -1	39 8	39 19	29 12	48 11			25.8 5.6			
RUGBY	MAX MIN	7 -12	5 -17	18 -2	21 -6	26 -2	30 11	38 14	36 14	36 16	40 15	39 24	36 25	34 25	22 12	12 -2	18 8	14 -8	6 -14	16 -6	35 -1	44 19	40 19	16 16	12 4	36 12	28 14	30 4			26.1 4.7			
SAN HAVEN	MAX MIN	8 -11	5 -16	15 -5	30 -2	23 3	25 4	29 9	48 13	41 23	36 18	41 25	38 27	31 19	20 1	9 -8	17 6	12 -9	6 -17	14 -6	29 -2	38 17	41 15	18 4	34 0	27 8	27 0	38 15			25.5 4.8			
SHARON	MAX MIN	0 -15	9 -15	12 -6	18 -2	23 -1	22 8	26 13	31 12	38 18	30 20	36 26	32 26	32 21	18 3	0 0	22 7	15 -5	15 -10	15 -6	31 3	41 25	38 25	18 6	35 1	38 10	36 20	35 14	35 20			25.2 7.8		
STANLEY	MAX MIN	10 -6	7 -16	27 -4	40 -2	37 4	33 2	40 13	44 18	41 12	49 27	43 27	39 27	33 16	33 7	25 -9	17 16	11 -10	10 -9	21 -7	42 3	51 27	44 15	24 5	40 18	33 15	38 12	36 20			31.5 7.6			
STEELE	MAX MIN	10 -2	10 -14	15 -3	17 -1	17 -5	25 2	27 9	28 8	32 4	45 13	40 24	38 24	34 25	26 5	25 -2	25 11	9 -12	21 -2	39 12	46 28	44 29	30 10	27 1	48 14	42 22	41 22	40 27			29.7 9.1			
TIOGA 1 E	MAX MIN	20 -2	0 -15	11 -13	25 -4	25 10	34 1	32 14	37 14	42 14	40 14	48 26	40 27	40 16	25 9	36 -5	20 -3	14 -11	13 -11	11 -3	24 2	42 4	51 23	28 6	13 -9	36 -8	39 12	32 8	37 8			29.6 4.4		
TOWNER	MAX MIN	16 -10	17 -17	20 -7	32 -8	22 7	26 0	30 7	40 13	35 18	43 15	44 23	36 25	28 21	23 4	15 -13	15 -2	11 -19	5 -5	19 15	41 25	47 15	42 25	21 -5	36 15	39 16	32 6	31 9			28.3 4.5			
TROTTERS 3 S	MAX MIN	18 0	21 -14	28 6	32 4	29 3	37 4	45 17	39 20	46 24	52 28	45 30	44 30	37 21	46 17	35 11	32 6	19 -8	19 2	50 24	58 34	50 18	19 5	39 0	43 27	34 20	41 20	42 24			36.9 13.7			
TURTLE LAKE	MAX MIN	12 -4	7 -14	15 -2	22 -5	22 -5	22 2	24 14	41 9	39 3	49 12	42 24	39 22	36 15	28 7	27 -3	21 10	22 -6	11 -11	23 -2	45 7	55 31	46 15	16 8	24 -4	44 18	38 20	43 15	39 25			30.6 7.2		
UNDERWOOD 4 ESE	MAX MIN	12 -5	5 -17	15 -2	25 -3	20 -5	23 1	33 10	38 11	36 11	45 25	45 22	37 29	36 19	30 8	30 -3	20 10	14 -6	10 -12	22 -4	44 12	54 31	47 24	25 8	25 -4	43 19	38 20	39 18	39 23			30.0 8.6		
UPHAM 3 N	MAX MIN	10 -9	6 -20	20 0	27 -10	29 -7	31 0	35 4	40 4	36 4	38 15	41 23	39 31	35 19	22 -1	12 -16	17 7	10 -11	6 -18	17 -10	28 -4	42 7	39 19	19 6	15 -15	37 9	32 14	28 0	31 7			26.6 1.7		
VALLEY CITY	MAX MIN	1 -6	10 -12	12 -9	16 -6	21 -8	26 8	34 9	38 8	38 10	41 20	38 12	38 28	36 14	22 2	22 2	19 13	15 -2	15 -6	17 -2	32 3	44 26	43 28	21 11	38 6	39 22	40 14	41 16			28.0 8.3			
VELVA	MAX MIN	13 -7	11 -19	20 -3	32 -5	35 -3	32 16	38 16	41 10	44 11	50 25	46 28	38 31	36 23	30 9	26 -8	20 13	13 -7	7 -11															

DAILY TEMPERATURES

NORTH DAKOTA
FEBRUARY 1961

Continued

continued		Day Of Month																															Average
Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WISHEK	MAX MIN	19 -1	2 -16	7 -14	10 -6	23 -11	20 -2	23 9	27 9	26 3	37 3	45 18	39 22	38 25	32 2	26 6	21 6	24 -8	8 -10	12 -8	21 2	42 11	48 28	44 11	15 0	29 0	42 21	37 14	40 14			27.0 4.6	

SNOWFALL AND SNOW ON GROUND

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERCROMBIE	SNOWFALL SN ON GND	T 2	2.0 4	4	4	3	3	3	3	2	2	2	1	1	1	2	T 2	1	1	1	1	1	1	T	T	T	T	T	T				
ALMONT 7 SW	SNOWFALL SN ON GND	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AMENIA	SNOWFALL SN ON GND	T 3	2.0 5	5	5	5	5	5	4	3	3	3	3	3	3	3	T 3	3	3	3	3	3	3	2	1	1	1	T	T	T	T		
ASHLEY	SNOWFALL SN ON GND	5.5 12	.5 12	12	12	12	T 12	12	12	12	10	8	7	6	T 6	6	6	6	6	6	6	6	6	5	T 5	.5 5	4	4	T 2	2			
BEACH	SNOWFALL SN ON GND	-	3	T 3	3	3	2	2	1	1	1	T	T	T	T	T	T	T	T	T	T	T		4.0 3	T 3	1	T	T	T	T			
BELCOURT INDIAN RES	SNOWFALL SN ON GND	.4 7	.2 8	8	7	7	7	7	7	6	6	5	.5 6	6	2.0 8	1.0 9	9	9	9	9	9	9	.3 9	.3 8	1.3 9	3.6 13	.1 13	1.2 14	1.4 14	14	14		
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	4.5 2 .1	T 4 .5	T 4 .5	T 4 .5	T 4 .5	T 4 .5	T 4 .5	4 3 .5	3 3 .5	3 3 .5	3 3 .5	2 1 .3	1 1 .3	1 1 .3	1 1 .3	1 1 .3	1 1 .3	1 1 .3	1 1 .3	1 1 .3	T	T	.8 1	.9 2	T 2	.6 1	1 1	T	T			
BOTTINEAU	SNOWFALL SN ON GND	T 6	1.5 7	7	7	7	7	7	7	6	5	T 5	T 4	T 4	T 4	1.0 5	T 5	5	5	5	5	5	.2 5	T 5	4	5.5 9	9	1.0 10	1.0 10	10	10		
BOWBELLS	SNOWFALL SN ON GND	T 3	3.5 3	3	3	3	2	2	1	1	T	T	T	T	T	1.5 1	T 1	1	1	1	1	1	T	5	5	6	6	7	6	5			
CAVALIER	SNOWFALL SN ON GND	10	10	T 10	10	9	9	9	8	7	6	5	T 5	.7 5	1.0 6	1.5 7	6	6	6	6	6	6	T 5	T 5	5	1.0 6	6	5	1.5 6	5	4		
CENTER	SNOWFALL SN ON GND	5.0 5	T 5	5	5	5	5	5	5	3	3	2	2	1	1	1	T 1	T 1	1	1	1	1	1	1	2	2	1	T	T	T			
CROSBY	SNOWFALL SN ON GND	3.8 4	3	2	2	2	2	1	1	T	T				T 4	T 4	T 4	T 4	T 4	T 4	T 4	T 4	.5 2	1.8 2	2.3 4	3	2	2	-	-			
DEVILS LAKE WB CITY	SNOWFALL SN ON GND	.8 9	T 10	T 10	9	9	9	9	8	8	8	7	.5 6	T 6	1.7 6	.1 8	.1 8	1.1 8	T 8	8	8	8	.6 8	.1 8	2.1 8	1.9 7	.7 7	.2 7	.6 7	6	6		
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND	.8 1	T 2	2	2	2	2	2	2	1	T	T	T	T	T	T	T	T	T	T	T	.1	T	2.0 3	.6 3	3	2	1					
DUNN CENTER 2 SW	SNOWFALL SN ON GND	2.0 3	1.0 4	T 4	4	4	4	4	4	4	3	2	1	T	T	T	T	T	T	T	T	T	1	1	4.0 4	T 4	4	2	1	T			
ELLEDALE	SNOWFALL SN ON GND	4.5 7	.5 8	8	8	8	T 8	T 8	8	8	7	6	5	4	4	4	4	4	4	4	4	4	4	3	2	2	2	1	1	5	1		
FAIRFIELD	SNOWFALL SN ON GND	5.0 6	T 6	5	4	4	3	3	2	1					T	T	T	T	T	T	T	T		4.0 4	T 4	4	1	1					
FARGO WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	1.0 2 .6	.2 3 .7	3 3 .7	3 3 .7	3 3 .7	3 3 .7	3 3 .7	3 3 .7	3 3 .7	3 3 .7	2 2 .7	2 2 .7	2 2 .7	2 2 .7	.3 2	.3 2	T 3	T 3	T 3	T 3	T 3	T 3	2 2	2 2	1 1	1 1	1 1	1 1	T			
FESSENDEN	SNOWFALL SN ON GND	3.0 5	1.0 6	-	-	-	-	-	-	5	4	3	2	1	1	2	T 2	2	2	2	2	2	2	-	1	1	2	-	1	1	1	1	
FORT YATES	SNOWFALL SN ON GND	1.3 1	3.3 5	5	5	5	5	5	4	4	3	2	T																				
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	T 4	T 4	4	4	4	T 4	T 4	4	3	3	3	2	2	T 2	1.4 2	.4 4	.4 4	.4 4	.4 4	.4 4	.4 4	.2 4	.3 4	4	3	3	3	.7 4	T 4	2		
GRAND RAPIDS 1 N	SNOWFALL SN ON GND	2.0 6	1.5 7	7	7	7	7	7	7	7	6	4	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2		
GRANVILLE	SNOWFALL SN ON GND	4.5 4	T 4	4	4	4	4	4	4	3	2	1	T	T	T	1.0 1	1	1	1	1	1	1	1	1	1	4.0 4	2.0 6	1.0 7	T 7	T 7	7	6	
HANNAH	SNOWFALL SN ON GND	6	6	6	6	6	6	6	6	5	5	5	4	5	5	-	2.0 7	7	7	7	7	7	7	7	2.5 9	3.0 12	12	12	1.0 13	13	12	12	
HETTINGER	SNOWFALL SN ON GND	3.0 3	3	3	3	3	3	3	3	1	1	T																					
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND	3.0 3	T 6	T 6	6	6	6	5	5	5	5	4	4	3	3	T 3	T 3	T 3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND	2.0 5	3.0 8	8	7	7	7	6	5	4	3	3	3	3	3	T 3	.5 4	T 4	4	4	4	4	4	3	2	2	2	2	2	1	T		
LANGDON EXP FARM	SNOWFALL SN ON GND	9	9	9	9	9	9	9	9	7	5	5	4	5	5	1.0 6	.3 6	T 6	6	6	6	6	6	6	5	5	9	8	1.5 9	9	9	9	
LEEDS	SNOWFALL SN ON GND	6	6	5	5	5	4	4	4	4	3	3	2	2	2	1.0 3	1.5 4	4	4	4	4	4	3	3	.4 2	2	2	1.6 4	4	3	3	2	2
LISBON	SNOWFALL SN ON GND	4	1.2 4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3		
MARMARTH	SNOWFALL SN ON GND	3.0 3	3	3	2	2	2	2	1	1	1	T	T	T	T	T	T	T	T	T	T	T	T										

See reference notes following Station Index.

Continued

SNOWFALL AND SNOW ON GROUND

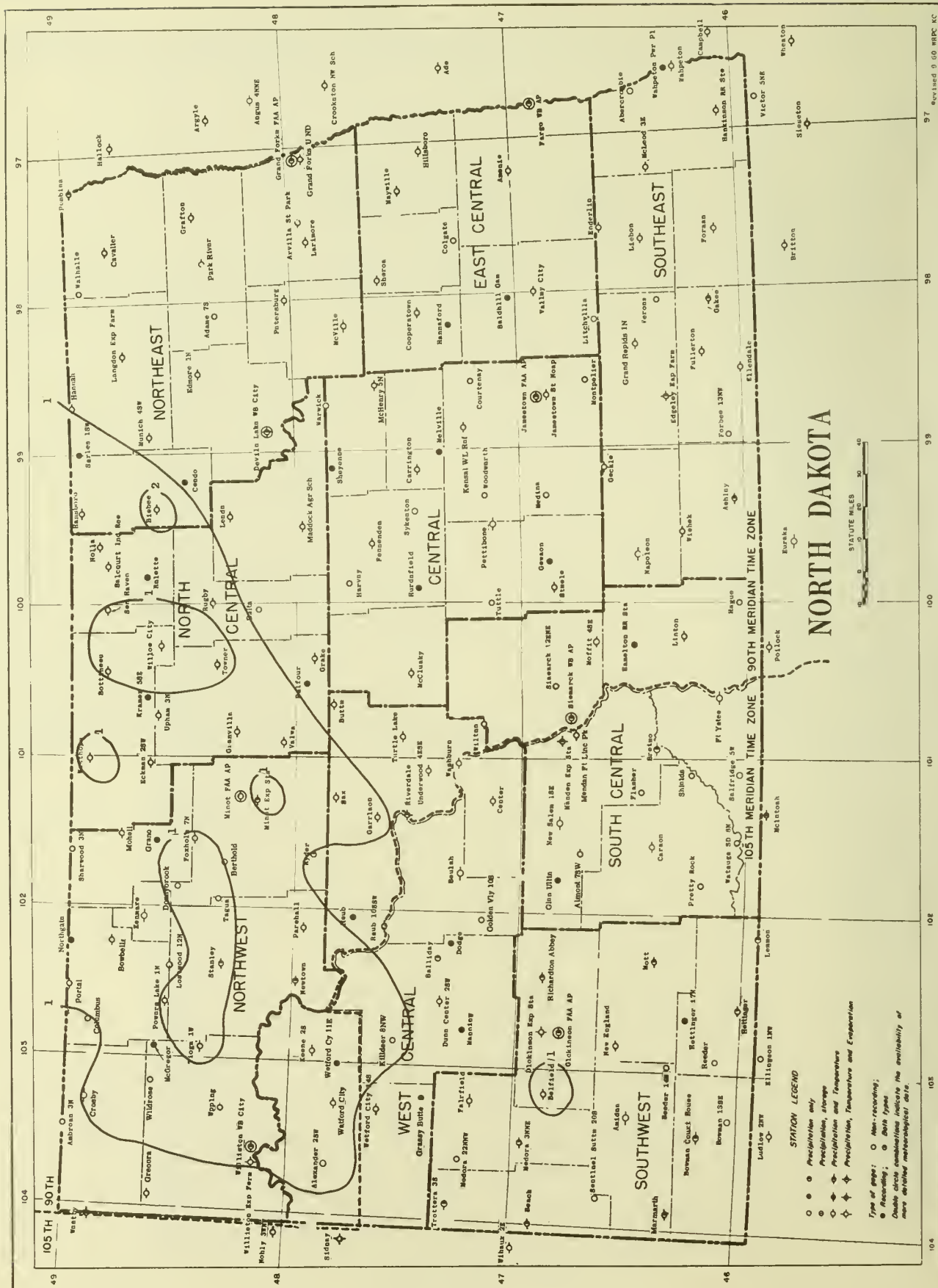
NORTH DAKOTA
FEBRUARY 1961

Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MAX	SNOWFALL SN ON GND	3.0 3	3.0 6	4	4	4	4	4	4	3	3	2	1	1	1	.9 2	2	2	2	.3 2	2	1	1	8.0 9	.1 0	.3 8	.3 7	6	6					
MAYVILLE	SNOWFALL SN ON GND	T 3	.3 3	3	3	3	3	T 3	3	3	T 3	3	2	2	2	1.3 3	.2 3	.5 3	3	3	.3 3	2	2	.4 3	T 3	2	T 2	2	2					
MC CLUSKY	SNOWFALL SN ON GND	3.0 4	.1 4	4	4	4	4	4	4	4	3	3	3	3	.2 3	3	3	3	3	.1 3	3	2	2	1.5 3	.1 3	2	2	1	-					
MC HENRY 5 N	SNOWFALL SN ON GND	.3 9	.2 9	9	9	9	9	9	9	9	9	8	8	8	.5 8	.5 8	8	8	8	T 8	.8 9	9	9	9	.3 9	9	9	T 9	8	8				
MINOT FAA AIRPORT	SNOWFALL SN ON GND	3.1 1	T 3	T 3	3	3	3	2	2	1	1	1	T T	T T	.8 1	T 1	T 1	T 1	.2 1	T 1	1	1	T T	5.8 7	1.9 7	.2 7	6	5	4					
MOHALL	SNOWFALL SN ON GND	1.0 1	3.0 4	4	4	4	4	3	2	1	1	T	T	T	T	1.0 1	1	1	1	1	T 1	T 1	T T	5.0 5	T 5	4.0 6	6	6	6					
MOTT	SNOWFALL SN ON GND	- 4	- 6	- 6	- 6	- 5	- 5	- 5	- 5	- 2	- 1	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- 1	- 1	- -	- -	- -	- -	- -	- -	- -	- -	- -	
MUNICH 4 SW	SNOWFALL SN ON GND	.5 8	8	8	8	7	7	7	6	6	5	5	.5 4	T 4	* -	2.0 6	T 6	6	6	T 6	.3 5	4	3	2.5 5	5	4	2.5 6	6	6					
NAPOLEON	SNOWFALL SN ON GND	3.0 6	T 6	6	6	6	T 6	6	6	6	5	4	4	4	T 4	T 4	4	4	4	T 4	4	3	3	T 3	T 3	2	T 2	2	1					
PARK RIVER	SNOWFALL SN ON GND	3	3	3	3	3	3	3	3	2	2	1	1	2	2	3.0 5	T 5	5	5	- 4	4	4	4	.3 3	.9 4	4	3	3	3	3				
PARSHALL	SNOWFALL SN ON GND	3.0 3	.1 3	3	3	3	3	3	3	2	1	T	T	T	.3 1	T			T T	T T	T T	2.0 2	3.0 5	- -	4	4	3	2						
PETERSBURG	SNOWFALL SN ON GND	T 9	.3 9	9	9	9	9	9	8	7	7	6	6	.3 6	.5 6	1.0 7	.4 7	7	7	T 7	.2 7	6	6	1.2 7	7	8	.2 6	6	6					
PETTIBONE	SNOWFALL SN ON GND	1.0 6	1.0 7	7	7	7	7	7	7	7	6	5	5	4	4	4	4	4	4	4	4	4	3	3	3	3	2	2	2	-				
PRETTY ROCK	SNOWFALL SN ON GND	- -	- -	3	3	3	3	3	2	2	1				.2 T	T	T	T	T	T	T		T T	T T	T T	T T	.5 T							
RICHARDTON ASBEY	SNOWFALL SN ON GND	4.1 4	.1 4	3	3	2	2	2	1	T	T	T	T	T	T	T	T	T	T	.2 T	T	T	2.5 3	1.1 4	T 4	T	T	T	T					
RIVERDALE	SNOWFALL SN ON GND	1.0 1	2.0 3	3	3	3	3	3	3	2	1	T	T	T	T	T	T	T	T	T	T	T	T	4.0 4	T 4	3	1	T	T					
SHARON	SNOWFALL SN ON GND	T 5	.5 6	6	6	6	6	6	6	5	5	4	4	4	T 4	.5 4	1.0 5	5	5	1.0 5	6	4	4	.5 4	4	4	3	3	3					
STANLEY	SNOWFALL SN ON GND	3.0 3	3	3	2	2	2	2	2	2	1	T	T	T	1.2 1	1	1	1	1	.2 1	1	1	5.5 5	1.5 6	5	3	3	3	-					
VELVA	SNOWFALL SN ON GND	4.0 4	4	4	4	4	4	3	2	1	1	1	1	1	2	2	2	2	2	.2 2	2	2	3.5 4	3.5 7	.7 8	.2 6	4	3						
WATFORD CITY	SNOWFALL SN ON GND	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	.2 T	T				T	T	T		6	7	- 8	- -	- -	- -	- -	- -	- -	- -		
WILLISTON WB CITY	SNOWFALL SN ON GND WTR EQUIV	3.6 2	4 .2	4 .4	4 .4	4 .4	3 .3	2 .2	2 .2	1	1	1	T		.6 1	T	T	T	T	.3 T	T	T	6.1 3	.7 7	.2 6	T 6	5	4						
WILLOW CITY	SNOWFALL SN ON GND	.5 3	T 3	3	3	3	3	3	3	2	2	2	T 1	T 1	T 1	T 1	1	1	1	1	.3 1	1	1	2.0 3	4.0 7	7	7	1.0 8	8	8				

See reference notes following Station Index.

TOTAL PRECIPITATION

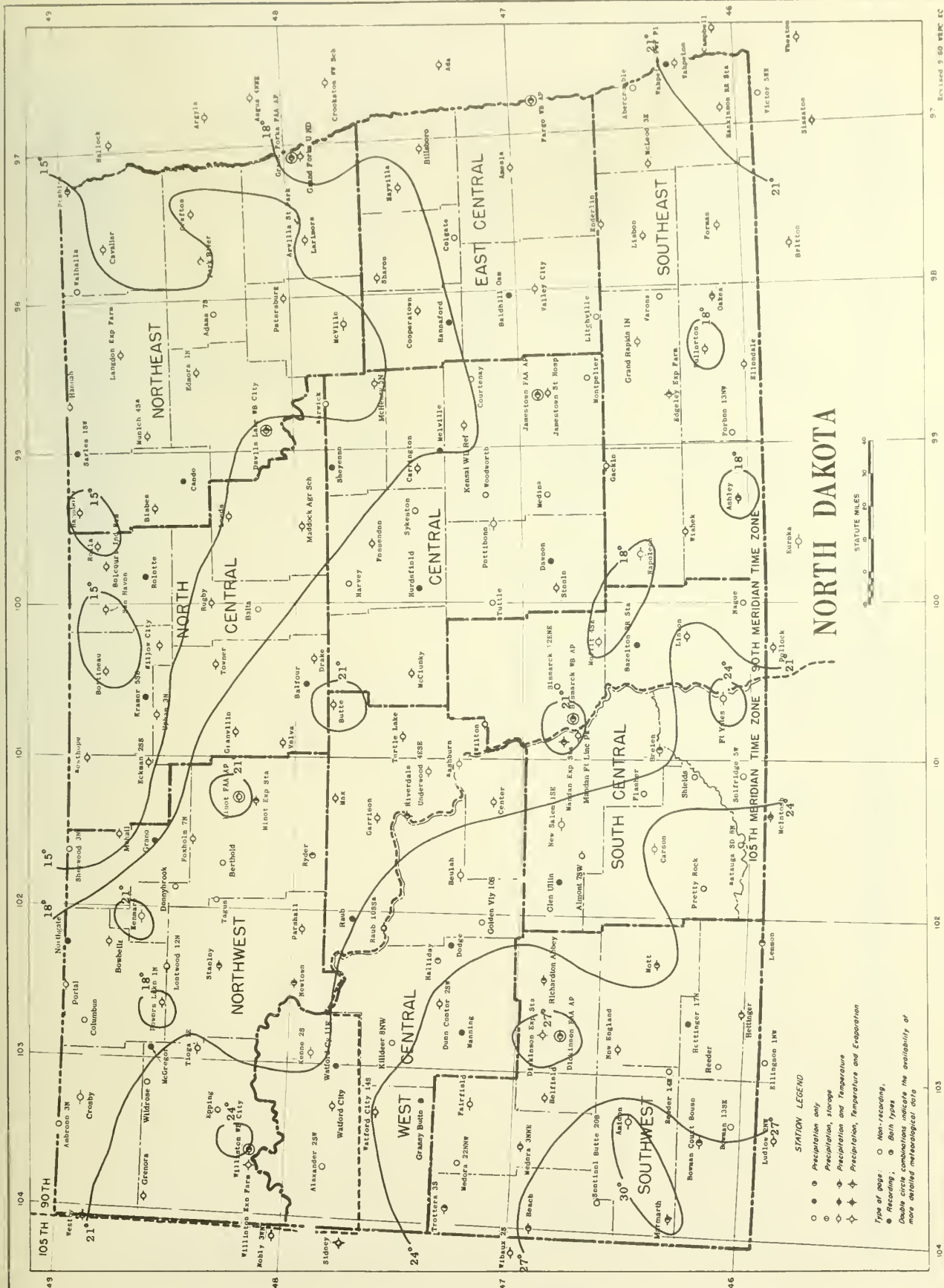
FEBRUARY 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

FEBRUARY 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

STATION INDEX

NORTH DAKOTA
FEBRUARY 1961

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL		
ARECHROMIE	0005	RICHLAND	10 46 27	96 45	935	8A					H	HELMER AMUNDSEN	PETTERONE	7047	KIDDER	8 47 07	99 31	1855	7P	7P	H	ARTHUR J. DEKREY		
ADAMS T 5	0022	WALSH	10 48 20	98 06	1954	6P						MYRON J. BATA	PORTAL	7201	HURKE	12 40 00	102 33	1954	9A	9A		U S CUSTOMS OFFICE		
ALEXANDER 2 SW	0096	MCKENZIE	13 47 50	103 40	2170	7P						WILLIAM LANZ	POWERS LAKE 1 N	7281	HURKE	8 48 34	102 38	1952	8A	8A		HERBERT J. CLARK		
ALMONT 7 SW	0136	HORTON	4 46 43	101 39	2300	7P					H	HOMER RAMSAND	PRETTY ROCK	7311	GRANT	1 46 10	101 31	2480	8P	8P		FRED LEER		
ANDRUSE 3 N	0189	DIVIDE	12 49 00	103 28	2027	5P						U S BORDER STATION	RAUR	7405	MCKEAN	8 47 44	102 04	1885			C	GEORGE A. HANSON		
AMENIA	0196	CASS	11 47 00	97 13	960	55					H	VIRGIL L. GEBKE	RAUR 10 55W	7408	MCKEAN	8 47 36	102 06	1958	6P	6P		LYLE P. HOLMAN		
ANDSON	0209	SLOPE	11 46 29	103 19	2910	8A	8A					FRED FLEENER	REEDER 10 SW	7450	ADAMS	3 46 06	102 57	2810	6P	6P		A. V. KITTLESON		
ARVILLA STATE PARK	0369	GRAND FORKS	10 47 56	97 30	960	6P						VERNON C. THOREN	REEDER 14 N	7452	SLOPE	1 46 19	102 57	2784	8A	8A		CHAS. W. METZINGER		
ASHLEY	0382	MCINTOSH	8 46 02	99 22	2001	55	55				C	U S CORPS OF ENGINEERS	RICHARDSON ARREY	7530	STARK	4 46 53	102 19	2470	5P	5P	C	ASSUMPTION ABBEY		
BALDWIN DAM	0450	BARNES	11 47 02	98 02	1300								RIERDALE	7585	MCKEAN	8 47 30	101 21	1950	8A	8A	C	U S CORPS OF ENGINEERS		
BALFOUR	0492	MCKENRY	12 47 57	100 32	1615						C	ANTIL ROGSTAD	ROLETTE	7655	ROLETTE	12 48 40	99 50	1630				HENRY JOHNSON		
BEACON HILL INDIAN RES	0500	PIERCE	11 48 10	100 02	1550	6P						EDWIN SCHWALTZ	ROLLA	7664	ROLETTE	2 48 52	99 37	2019	7P	7P		THEO. B. FAGERLUND		
BEACH	0501	GOLDEN VALLEY	7 46 55	104 01	2824	6A	6A				H	LUTHER F. HODGINS	ROLLA	7704	PIERCE	12 48 22	100 00	1560	6P	6P		FRANK HORSTEIN		
BEACON HILL INDIAN RES	0506	ROLETTE	4 46 50	99 45	1960	7P	7P					U S BORDER STATION	RYDER	7749	WARD	8 47 55	101 40	2108	6P	6P	C	S. C. SCHELLENBAUM		
BEFIELD	0639	STARK	4 46 53	101 11	2583	7P	7P					CARL INDERGAARD	SAN HAVEN	7824	ROLETTE	12 48 50	100 07	2001	6P	6P		STANLEY DOWLING		
BERTHOLD	0729	WARD	12 48 19	101 44	2080							JOAN COX	SARLES 1 SW	7844	TOWNER	9 48 56	99 00	1602				DAVID E. MADLAND		
BEULAH	0766	MERCER	6 47 16	101 47	1780	7P	7P					MONT DAK UTILITIES CO	SELFRIDGE 5 W	7952	SIOUX	1 46 02	101 08	2229				JOSEPH MOSE		
BISHOP	0796	TOWNER	2 48 37	99 08	1588	8A	8A					ROBERT J. KRICK	SENTINEL RUTTE 20 S	7976	GOLDEN VALLEY	7 46 37	103 49	2682	7P	7P		G. E. BURY		
BISHARKE WB AIRPORT	0819	BURLLEIGH	8 46 46	100 45	1650	MID	MID				C	U S WEATHER BUREAU	SHERWOOD 3 N	7986	STEELE	10 47 36	97 54	1516	8P	8P	H	HUGH LYON		
BISHARKE 12 NE	0827	BURLLEIGH	8 46 51	100 33	1709	8A						KFRY TRANSMITTER		8047	RENNVILLE	12 49 00	101 38	1847	6P	6P		U S CUSTOMS OFFICE		
BOTTINEAU	0941	ROTTINEAU	12 48 50	100 27	1640	8A	8A				H	N D SCHOOL OF FORESTRY	SHENYENNE	8057	EDDY	11 47 50	99 07	1480				ALVIN H. KENNEDY		
BOWMAN	0961	BURKE	12 48 48	102 15	1953	8A	8A				H	FELIX L. ADAMS	SHIELDS	8065	GRANT	1 46 14	101 07	1806	6P	6P	C	JAMES W. RODENBOUGH		
BOWMAN COURT HOUSE	0965	ROTTINEAU	12 48 54	102 47	1930	5P	5P					C	SHIELDS	8276	MOUNTAIN	8 48 19	102 24	2260	7P	7P		A. V. EVANS		
BOWMAN 13 SE	0998	BOWMAN	3 46 02	103 18	2830	6P	6P					C	SHIELDS	8366	KIDDER	8 46 51	99 55	1857	6P	6P		STEELE OZDENE PRESS		
BREIEN	1052	SIOUX	1 46 24	100 56	1720	6P	6P					C	SHIELDS	8508	WELLS	5 47 28	99 24	1634	9A	9A		EDWARD SONDAG		
BUTTE	1225	MCKEAN	12 47 50	100 40	1885	8A	8A					C	SAM KRITSKY	8527	MOUNTAIN	12 48 20	101 56	2179				W. B. ELLINGROE		
CANDON	1280	TOWNER	2 48 29	99 12	1481							C	HARRY E. HARRIS	8573	WILLIAMS	8 48 24	101 55	2245	8A	8A		SIGNAL OIL AND GAS		
CARRINGTON	1306	FOSTER	4 47 27	99 08	1588	8A	8A					C	ANDREW C. HEINITZ	8792	MCKENRY	12 48 21	100 24	1482	7P	7P		AUGUST B. RIEDER		
CARSON	1370	GRANT	4 46 25	101 34	2310	8A	8A					C	JACK STEWART	8812	GOLDEN VALLEY	13 47 17	103 54	2420	6P	6P	C	JOHN D. NELLEHOE		
CASVALIER	1435	PERMUNA	9 48 48	97 38	889	6P	6P					C	H WILLIE HANSEN PICO	8840	MCKEAN	8 47 31	100 53	1859	6P	6P		WALTER L. RENFROW		
CENTER	1456	OLIVER	8 47 07	101 18	2100	7P	7P				H	FRED L. HEINE	TUTTLE	8850	KIDDER	8 47 08	100 00	1880	5P	5P		THEODORE C. OCHSNER		
COLGATE	1686	STEELE	10 47 14	97 39	1180	6P	6P					C	TUTTLE	8872	MCKEAN	8 47 25	101 03	2001	6P	6P		FEDERINANO KOENIG		
COLUMBUS	1696	BURKE	12 48 54	102 47	1930	5P	5P					C	UPHORN 3 N	8913	MCKENRY	12 48 37	100 44	1425	5P	5P		U S FISH AND WILDLIFE		
COOPERSTOWN	1766	GRIGGS	11 47 26	98 07	1428	5P	5P					C	VALLEY CITY	8937	BARNES	11 46 55	98 00	1230	6P	6P		GEORGE W. KENNEDY		
COURTNEY	1816	STUTSMAN	5 47 13	98 34	1923	6P	6P					C	VALLEY CITY	8990	MCKENRY	12 48 03	100 56	1511	6P	6P	H	R. A. AYERS		
CROSBY	1871	DIVIDE	12 48 54	103 18	1952	6P	6P					H	JOHN ANASTAS	9035	LA MOURE	5 46 22	98 05	1382	6P	6P		WARREN O. TANG		
DAWSON	2018	KIDDER	8 46 52	99 45	1730							C	CECIL L. BILLINGTON	9095	RICHMOND	10 46 17	96 36	982				C	OTTER TAIL PWR PL	
DEVILS LAKE WB CITY	2158	RAMSEY	2 48 07	98 52	1471	MID	MID				C	U S WEATHER BUREAU	WAMPETON	9107	RICHMOND	10 46 16	96 36	960	6P	6P		JOSEPH MEYER		
DICKINSON FAA AIRPORT	2183	STARK	4 46 47	102 48	2595	MID	MID					C	U S FED AVIATION AGENCY	WAMPETON	9155	DEWITTA	9 48 59	97 55	990				FELIX A. GASTONJAY	
DICKINSON EXP STATION	2188	STARK	4 46 53	102 48	2480	7A	7A					C	DICKINSON EXP STATION	9185	BENSON	11 47 51	98 42	1470	6P	6P		VIRGIL B. JOHNSON		
DODGE	2215	DUNN	6 47 18	102 12	1780	6P	6P					C	THEODORE ISAAC	9195	MCKEAN	8 47 17	101 02	1760	5P	5P		JUDY BORLAUG		
DONNYWROOK	2242	WARD	12 48 31	101 34	1940	6P	6P					C	BERNICE SONNENBERG	9219	GRANT	1 46 02	101 34	2074	6P	6P		MARY E. KATUS		
DRAKE	2298	MCKENRY	12 47 55	102 22	1634	8A	8A					C	ED. J. EVANS	9233	MCKENZIE	8 47 48	103 17	2160	8P	8P	H	J. C. ZELLER		
DUNN CENTER 2 SW	2365	DUNN	6 47 20	102 38	2232	7A	7A					C	JOHN W. DINKINS	9238	MCKENZIE	8 47 47	103 02	2110				C	IDA PETERSON	
ECKMAN 2 SE	2472	BOTTINEAU	12 48 39	101 01	1495	5P	5P					C	JOHN W. ZURCHER	9246	MCKENZIE	7 47 36	103 17	1955	5P	5P		THEO. ROOSEVELT NHP		
EGGLELEY EXP FARM	2482	LA MOURE	5 46 20	98 42	1568	8A	8A					C	N D AGRICULTURE EXP STA	9425	ROTTINEAU	12 48 55	101 01	1508	9P	9P		HARRY KLINE		
EGMORE 1 N	2525	RAMSEY	2 48 25	98 28	1520	6P	6P					C	WILLIAM E. COLLINS	9400	WILLIAMS	8 48 38	103 10	2258				C	JONATHAN WINCKER	
ELLENALE	2605	DICKEY	5 46 00	98 31	1480	8P	8P					C	MALCOLM O. GODDARD	9425	WILLIAMS	8 48 09	103 37	1877	MID	MID	C	U S WEATHER BUREAU		
ENDERLIN	2659	RAVINE	11 46 57	97 36	1439	6P	6P					C	RONALD PETERSON	9440	WILLIAMS	8 48 09	103 41	2105	6P	6P		GEORGE KAPUSTA		
EPFING	2735	WILLIAMS	8 46 17	103 21	2224	6P	6P					C	E. F. CARPENTER	9445	ROTTINEAU	12 48 36	100 17	1471	6P	6P		MRS. O. M. SANDERSON		
FAIRFIELD	2809	RILLINGS	7 47 11	103 13	2750	6P	6P					H	JOHN PETRYSAK	9455	MCKEAN	8 47 50	100 48	2171	6P	6P		EDWIN PETERSON		
FARGO WB AIRPORT	2859	CASS	10 46 54	96 48	895	MID	MID					C	U S WEATHER BUREAU	9515	MCINTOSH	8 46 16	99 34	2010	8A	8A		J. W. HELLERUD		
FESSENDEN	2949	WELLS	5 47 39	99 37	1620	6P	6P					C	EMIL E. RUST	9575	STUTSMAN	5 47 09	99 18	2041	6P	6P		CHESTER W. THOMPSON		
FLASHER	3009	MORTON	4 46 27	101 16	1400	6P	6P					C	GEORGE W. SINCLAIR											
FORRES 13 NW	306																							

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- * And also on an earlier date or dates.
- † Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- R Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

MARCH 1961
Volume 70 No. 3



ASHEVILLE: 1961

NORTH DAKOTA - MARCH 1961

WEATHER SUMMARY

March was a mild month with precipitation in virtually all areas of the state well below normal. There were no severe storms nor blizzards. The month brought to a close an unusually mild winter season for North Dakota.

The mild weather of the last week in February continued for more than 3 weeks into March. Temperatures during this period ranged from slightly above normal to as much as 20 or more degrees above normal for this time of year. A few subzero temperatures occurred in the north-central part of the state during the second week. During this period there were frequent periods of light rain or snow in some part of the state very few of which accumulated any significant amount. The only significant snow cover at the beginning of the month was from a few inches to a foot or more in the north-central and northeastern areas of the state and this had disappeared by the end of the third week except for a few drifts in sheltered areas which continued into April.

The most significant rainfall occurred during the cold outbreak on the 26th and 27th but even then there were only scattered stations in the east portion receiving as much as half to three-quarters of an inch.

From an agricultural standpoint this was a rather disconcerting month. It represented a continuation of drought conditions that had their beginning late last summer and early fall and which continued with only minor interruptions through the winter. The moisture that remained from melting snow was quickly depleted and high winds on a few days towards the end of the month caused some soil blowing. Some field work was begun by the close of the month over southern portions of the state but by and large more rain was desired before extensive field work was started.

Carl J. Sanderson
Acting State Climatologist
Weather Bureau Airport Station
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 77° on the 24th at Two Stations

Lowest Temperature: -13° on the 9th at Belcourt Indian Res

Greatest Total Precipitation: 0.93 inch at Wishek

Least Total Precipitation: Trace at Four Stations

Greatest one-day Precipitation: 0.76 inches on the 26th at Arvilla State Park

Greatest Total Snowfall: 6.4 inches at Bowman 13 SE

Deepest Snow on Ground: 19 inches on the 7+ at Bisbee

NORTH DAKOTA
MARCH 1961

MARCH 1961																			
Station	Wind direction		Average	Wind speed m. p. h.		Date of fastest mile	Relative humidity averages percent				Number of days with precipitation								Average sky cover: sunset to sunset
	Prevailing	Percent of time from prevailing		Fastest mile	Direction of fastest mile		Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01--09	10--49	50--99	100--199	200 and over	Total	Percent of possible sunshine	
BISMARCK WB AIRPORT	NW	15	12.3	35	SE	24	68	74	57	48	11	5	0	0	0	0	18	67	7.2
DEVILS LAKE WB CITY	SE	-	9.4	31	SE	24	-	88	71	72	15	5	0	0	0	0	20	41	7.5
FARGO WB AIRPORT	N	21	16.9	47	N	27	81	83	64	62	10	3	1	0	0	0	14	47	7.0
WILLISTON WB CITY	NW	-	7.4	27	SE	24	-	82	69	60	6	3	0	0	0	0	9	61	8.8

CLIMATOLOGICAL DATA

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No of Days			
										Max		Min						Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More	
										90° or Above	or Below	32° or Below	0° or Below											
NORTHWEST DIVISION																								
BOWBELLS	39.2	18.9	29.1		63	25	6	6	1106	0	8	31	0	.03		.03	5	.3	5	2+	0	0	0	
CROSBY	42.4M	20.8M	31.6M	10.1	66	24	1	6	1041	0	7	30	0	.13	-.49	.11	26	1.4	1	1	1	0	0	
FOXHOLM 7 N	43.4	20.6	32.0	9.4	65	24	5	9	1017	0	2	30	0	T	-.77	T	26+	T	2	1	0	0	0	
GRENOIRA	44.6	21.4	33.0		67	24	3	8	984	0	5	31	0	.18		.10	25	2	1	1	0	0	0	
KENMARE	40.5	18.3	29.4		62	25	7	6	1096	0	6	31	0	.04	-.79	.04	5	2.0	4	5+	1	0	0	
LOSTWOOD 12 N	41.6	19.1M	30.4M		63	25+	-2	6	1065	0	7	30	1	.19		.11	5	.6	1	1	0	0	0	
MINOT FAA AIRPORT	41.2	21.7	31.5		65	24	11	9	1035	0	3	31	0	.24		.16	25	.3	4	5+	1	0	0	
MINOT EXP STATION	//	40.7	21.1	30.9		64	25	11	9	1047	0	6	31	0	.09		.05	26	1	1	0	0	0	
MOHALL	39.2	16.5M	27.9M	6.7	63	25	1	6	1137	0	7	31	0	.02	-.87	.02	26	T	6	2+	0	0	0	
NEWTOWN	44.5	23.6	34.1	13.5	65	24	7	5	951	0	4	29	0	.18	-.39	.06	4	1.0	2	6+	0	0	0	
PARSHALL	45.0	22.7	33.9		67	24	7	5	958	0	3	30	0	.20	-.27	.11	26	T	1	1	0	0	0	
PORTAL	39.2	19.9	29.6	10.2	64	25	6	8+	1091	0	8	31	0	.05	-.62	.05	5	.5	1	1	0	0	0	
POWERS LAKE 1 N	39.0M	18.3	28.7M		62	25	7	8	1132	0	7	31	0	.05		.05	5	1.0	1	9+	0	0	0	
STANLEY	42.6	21.6	32.1		65	24	9	8	1015	0	4	29	0	.06		.05	5	.8	1	6+	0	0	0	
TIOGA 1 E	41.2	19.6	30.4		65	25	1	6	1063	0	5	30	0	.05		.05	5	.5			0	0	0	
WILLISTON WB CITY	//R	44.7	25.8	35.3	8.8	72	24	12	8	917	0	4	28	0	.12	-.63	.08	14	.3	3	1	0	0	0
WILLISTON EXP FARM		44.9	24.4	34.7		70	24	10	8	935	0	4	28	0	.18		.13	14			1	0	0	0
DIVISION			31.4	10.0										.11	-.56		.6							
NORTH CENTRAL DIVISION																								
BELCOURT INOIAN RES	34.9	15.4	25.2		46	25+	-13	9	1229	0	12	31	4	.21		.09	25	.6	14	9+	0	0	0	0
BOTTINEAU	35.5	16.4	26.0	5.9	53	25	-3	9	1201	0	13	31	1	.04	-.70	.03	5	.8	10	1	0	0	0	0
ORAKE	41.1	21.5	31.3	9.6	64	25	9	9	1036	0	3	31	0	.10	-.60	.10	26	.0	2	1	1	0	0	0
GRANVILLE	41.7	21.7	31.7	8.5	65	24	9	9	1022	0	3	31	0	.20	-.47	.07	25+	1.0	6	6+	0	0	0	0
LEDS	39.5	22.1	30.8		58	24	5	9	1051	0	6	29	0	.20		.18	25	.0	2	5+	1	0	0	0
MAODOCK AGRI SCHOOL	41.1	20.9	31.0	8.7	59	24	3	9	1048	0	4	30	0	.16	-.58	.13	25				1	0	0	0
ROLLA	35.5	17.9	26.7		48	24	-4	9	1178	0	11	30	1	.34		.27	25	1.0			1	0	0	0
RUGBY	39.5	19.4	29.5		57	25+	-2	9	1096	0	6	30	0	.13	-.65	.08	25	1.0	14	1	0	0	0	0
SAN HAVEN	37.6	19.1	28.4	8.7	52	25+	-1	9	1128	0	11	30	1	.13	-.45	.11	25	.2	11	9+	1	0	0	0
TOWNER	40.8M	21.3M	31.1M	9.4	62	24	11	9	1052	0	5	31	0	.18	-.78	.18	25	.0	17	2+	1	0	0	0
UPHAM 3 N	40.9	17.3M	29.1M		61	24	-5	9	1102	0	5	31	2	.04		.02	26+	.5			0	0	0	0
VELVA	44.6M	23.4	34.0M	9.7	66	24	9	9	952	0	3	30	0	.14	-.57	.11	25	.2	1	8+	1	0	0	0
WESTHOPE	37.8	18.7	28.3	7.9	57	24	0	6	1133	0	10	31	1	.11		.06	5	1.0	14	1	0	0	0	0
WILLOW CITY	38.6	15.5	27.1	7.3	56	24	-12	9	1169	0	8	31	6	.18	-.52	.17	25	T	7	1	1	0	0	0
DIVISION			29.3	8.3										.15	-.64		.5							
NORTHEAST DIVISION																								
ARVILLA STATE PARK	41.2M	19.9M	30.6M		63	25	5	12	1059	0	5		0	.76		.76	26	3.0			1	1	0	0
BISBEE	36.7	16.7M	26.7M		52	24	-3	9	1183	0	11	31	2	.25		.21	25	.4	19	7+	1	0	0	0
CAVALIER	38.5	21.4	30.0		56	25	1	4	1083	0	7	26	0	.03		.02	5	.2			0	0	0	0
DEVILS LAKE WB CITY	R	37.6	22.0	29.8	7.2	58	24	7	9	1084	0	8	30	0	.14	-.59	.06	26	.7	6	1	0	0	0
EDMORE 1 N	37.3	18.5	27.9		54	25+	-4	9	1141	0	9	30	2	.02		.01	25+		3	4+	0	0	0	0
GRAFTON	40.2M	23.2M	31.7M	8.8	60	25	5	4	1024	0	3	27	0	.04	-.86	.03	26				0	0	0	0
GRAND FORKS FAA AIRPORT	R	39.6	25.0	32.3		64	25	13	4	1004	0	8	26	0	.48		.31	26	3.5	2	29+	2	0	0
GRAND FORKS UNIVERSITY		40.5	25.1	32.8	10.3	64	25	11	4	990	0	5	25	0	.75	-.16	.55	26	3.4	6	1	2	1	0
HANNAH	35.0	14.7	24.9		50	24	-10	9	1235	0	12	30	5	.41	-.36	.25	25	T	12	1	2	0	0	0
HANSBORO																								
LANGOON EXP FARM		36.6	16.3	26.5	7.0	51	24	-5	9	1189	0	9	30	2	.15	-.77	.12	26	.1	8	1	1	0	0
LARIMORE		40.1	22.4	31.3	8.3	62	25	9	4	1040	0	3	29	0	.30	-.56	.26	26				1	0	0
MC VILLE		40.1	22.0	31.1		65	25	7	9	1045	0	6	30	0	.22		.15	26		2	28+	1	0	0
MUNICH 4 SW		36.5	17.9	27.2		54	25	-5	9	1164	0	9	30	2	.47		.27	25	T	6	1	2	0	0
PARK RIVER		40.8	22.5	31.7	9.9	59	25	7	4	1028	0	4	27	0	T	-.74	T	28+	T	2	5+	0	0	0
PEMBINA		38.8	19.1	29.0		58	24	-5	4	1111	0	6	29	2	.05	-.67	.03	26	T			0	0	0
PETERSBURG		38.2	20.7M	29.5M		60	25	5	9	1098	0	8	30	0	.15	-.54	.08	26	.5	5	4+	0	0	0
DIVISION			29.6	8.8										.26	-.54		1.0							
WEST CENTRAL DIVISION																								
BEULAH	46.6	24.9	35.8		70	24	13	5	898	0	1	29	0	.04		.02	1				0	0	0	0
BUTTE	40.9	20.7M	30.8M		65	25	10	9	1057	0	5	31	0	.02		.02	26				0	0	0	0
CENTER	45.5	22.8	34.2		67	24	10	29+	947	0	1	30	0	.19		.10	1	T	T	14+	1	0	0	0
DUNN CENTER 2 SW	44.1	24.2	34.2	10.1	72	25	14	9	950	0	3	30	0	.25	-.40	.06	26+	1.0	1	13+	0	0	0	0
GARRISON	42.1	21.6	31.9	8.2	64	25	10	3	1020	0	2	30	0	T	-.75	T	18	T	0		0	0	0	0
KEENE 2 S	44.7	22.4	33.6		70	24	10	8	969	0	1	30	0	.16		.06	5	2.4	2	5	0	0	0	0
MAX	40.5	19.5	30.0	8.7	62	25	6	5	1079	0	4	30	0	.30	-.43	.15	26	1.1	6	1	1	0	0	0
RAUB 10 SW	45.2M	23.7M	34.5M		68	24	7	29	936	0	4	26	0	T		T	25+	T	0		0	0	0	0
RIVERDALE	//	42.0	21.8	31.9		65	25	12	9	1020	0	5	30	0	.26		.10	26+	T	T	15+	2	0	0

See reference notes following Station Index.

CLIMATOLOGICAL DATA

NORTH DAKOTA
MARCH 1961

Continued

Station	Temperature													Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days					
										80° or Above	32° or Below	32° or Below 0°	Below 32°					Total	Max Depth on Ground	Date	10 or More	50 or More				
TURTLE LAKE	44.2	23.0	33.6		64	25+	11	9	964	0	0	30	0	.03		.02	4			0	0					
UNDERWOOD 4 ESE	43.5	22.0	32.8		64	24	10	9	992	0	2	30	0	.13		.08	14			0	0					
WASHBURN																										
WATFORD CITY	48.3	M	M		74	24				0	0	0	0	.14	- .71	.08	4			0	0					
WATFORD CITY 14 S	48.8	26.5	37.7		77	24	12	8	842	0	1	26	0	D		.07	4	.9		0	0					
WILTON	44.2	21.4	32.8		64	24	8	28	991	0	3	30	0	.14		.07	25			0	0					
OIVISION			33.4	9.8										.13	- .62			.7								
CENTRAL DIVISION																										
CARRINGTON	40.8	21.0	30.9	8.7	62	26+	8	10+	1050	0	3	30	0	.18	- .56	.11	27	.5	1	5	1					
FESSENDEN	42.5	22.8	32.7	9.8	62	24	10	9	997	0	0	30	0	.07	- .71	.07	5	.6	T	5	0					
JAMESTOWN FAA AIRPORT	//R 41.9	24.4	33.2		68	25	11	9	980	0	3	28	0	.58		.57	26	1.0	2	1	1					
JAMESTOWN STATE HOSP	42.2	25.6	33.9	9.0	65	25	14	29+	959	0	3	26	0	.62	- .26	.57	26	1.5			1					
KENSAL WILDLIFE REFUGE	43.2	22.5	32.9		65	25	7	9	992	0	2	29	0	.36		.20	26	.5	1	26	2					
MC CLUSKY	43.5	22.8	33.2	9.8	63	24	8	9	977	0	2	30	0	.12	- .72	.10	25	.1	1	8+	1					
MC HENRY 5 N	39.7	21.0	30.4		64	25	4	9	1066	0	9	30	0	.23		.13	26	.8	8	4+	1					
PETTIBONE	43.1	21.2	32.2	9.5	65	25	6	9	1013	0	3	30	0	.26	- .53	.14	26	T	1	1	1					
STEELE	44.6	24.7	34.7	10.9	66	25	10	10	933	0	1	28	0	.02	- .58	.02	26	T	T	12+	0					
OIVISION			32.7	9.7										.27	- .51			.6								
EAST CENTRAL DIVISION																										
AMENIA	44.5M	23.1M	33.8M		70	25	14	29+	983	0	1	29	0	.40		.35	26	.0	T	2+	1					
COOPERSTOWN	//R 41.4	23.2	32.3		65	25	9	9	1007	0	4	29	0	.35	- .43	.32	26	T	3	1	1					
FARGO W8 AIRPORT	43.7	25.3	34.5	9.2	67	25	12	16	936	0	2	26	0	.38	- .51	.34	26	T	T	31+	1					
HILLSBORO	43.0	25.0	34.0	9.9	66	25	12	16	953	0	1	25	0	.47	- .36	.37	26	T	0		1					
MAYVILLE	42.0	25.1	33.6	9.1	67	25	13	29+	969	0	4	27	0	.75	-.07	.70	26	.3	2	6+	1					
SHARON	40.2	23.0	31.6	9.2	63	25	8	9	1029	0	3	29	0	.37	- .51	.30	26	2.0	2	26+	1					
VALLEY CITY	42.3	25.4	33.9	7.9	65	25	14	28	957	0	3	30	0	.46	- .29	.22	26	T	1	10+	2					
OIVISION			33.4	9.3										.45	- .33			.3								
SOUTHWEST DIVISION																										
AMIDON	43.7M	25.1M	34.4M		72	25	4	5	943	0	2	29	0	.36		.10	12	4.0			1					
BEACH	45.0	24.0	34.5		66	24	9	5	938	0	2	29	0	.28		.13	13	4.0	2	6+	1					
BELFIELD	46.3M	23.9	35.1M		71	24	15	29+	922	0	4	29	0	.61		.37	12				0					
BOWMAN COURT HOUSE	46.3	23.5M	34.9M	8.4	76	24	15	29+	922	0	3	30	0	.18		.08	12	.9	1	13	0					
DICKINSON FAA AIRPORT	//R 45.6	24.5	35.1		73	24	9	9	942	0	4	30	0	.42		.15	2	2.0	2	4	2					
DICKINSON EXP STATION	45.0	22.9	34.0	10.1	72	25	9	5	956	0	2	30	0	.50	- .26	.25	13				2					
FAIRFIELD	45.0	23.7	34.4		73	24	9	9	942	0	4	30	0	.42		.15	2	2.0	2	4	2					
HETTINGER	45.8	24.3	35.1	8.1	69	24	10	5	922	0	2	28	0	.47	- .25	.34	12		6	12	1					
MARMARTH	48.4	24.9	36.7	8.7	75	25	7	5	872	0	0	28	0	.42	- .38	.20	17	1.7	1	13+	2					
MEDORA 3 NNE	49.1	21.8	35.5		77	24	-	1	908	0	1	29	1	.58		.25	4	3.5	4	3	0					
MOTT	46.1M	21.9M	34.0M	7.4	71	24	5	5	963	0	2	0	0	.70	- .09	.40	12		5	12	3					
NEW ENGLAND	46.7	24.7	35.7	8.7	71	24	6	5	902	0	0	27	0	.58	- .53	.36	12	6.0	5	12	2					
RICHARDTON ABBEY	46.9	25.4	36.2	10.7	70	24	14	9	886	0	1	27	0	.41	- .64	.24	12	5.1	4	12	1					
TROTTERS 3 S	46.5	25.6	36.1		73	24	12	5	890	0	2	29	0	.39		.13	12+	5.2	3	2	2					
DIVISION			35.1	9.1										.45	- .40			3.6								
SOUTH CENTRAL DIVISION																										
ALMONT 7 SW	//R 45.2	25.4	35.3		69	24	14	9+	911	0	3	27	0	.18		.07	4		2	4	0					
BISMARCK W8 AIRPORT	46.1	26.0	36.1	9.4	68	24	11	29	892	0	1	28	0	.11	- .65	.04	4	.8	T	28+	0					
BREIEN	48.3	24.6M	36.5M		69	24	8	9	892	0	0	27	0	.04		.02	17+	2.0			0					
CARSON	46.3	23.2	34.8	9.4	68	25	11	9	929	0	2	30	0	.19	- .92	.09	13				0					
FORT YATES	M	22.9M	M		68	25	10	28+		0	2	0	0	.02	- .78	.02	5				0					
LINTON	47.4	25.0M	36.2M	9.5	75	25	12	8	905	0	0	27	0	.08	- .64	.04	26+	.4	3	1	0					
MANDAN EXP STATION	44.5	23.6	34.1	9.5	67	25	11	9+	950	0	4	29	0	.07	- .73	.05	5	.8	1	5	0					
MANDAN FT LINCOLN PARK	48.7	23.0	35.9		66	25	10	5	895	0	0	28	0	.07		.05	4	.5	T	11+	0					
MOFFIT 4 SE	45.3M	22.1M	33.7M		10	9	9	9	968	0	2	30	0	.05		.05	17	T	0		0					
NEW SALEM 1 SE	44.5	25.2	34.9	9.9	67	24	15	29	931	0	3	27	0	.14	- .67	.11	4	1.3	1	4	1					
OIVISION			35.3	9.7										.10	- .73			.8								
SOUTHEAST DIVISION																										
ASHLEY	44.2	23.7	34.0	9.3	70	25	8	29	958	0	2	30	0	.55	- .22	.53	26	2.0	2	1	1					
EDGELEY EXP FARM	44.2	23.4	33.8	8.4	69	26	11	9	962	0	2	29	0	.29	- .47	.28	27	T	T	29+	1					
ELLENGALE	46.3	27.2	36.8	10.2	71	25	13	29	867	0	2	23	0	.24	- .76	.20	26	T	T	16+	1					
ENDERLIN	43.5	21.7	32.6		67	26	10	16+	996	0	3	29	0	.55		.40	27	.0	0		1					
FORMAN	43.6M	26.2M	34.9M		15	16	9	9	927	0	1	23	0	.20	- .72	.20	26	.0			1					
FULLERTON	44.1	24.0	34.1	7.4	70	25	1	9	951	0	3	26	0	.32	- .94	.27	26	.0			1					
GACKLE	42.9	25.0	34.0		63	25	8	29	955	0	1	26	0	.52		.40	26	3.3	3	27+	1					
GRAND RAPIDS 1 N	45.9	24.9	35.4		69	25	10	29+	909	0	1	23	0	.43		.33	26	T	2	1	1					
HANKINSON R R STATION	43.1	23.5	33.3	7.5	67	26	13	13	974	0	3	30	0	.27	- .83	.12	22				1					
LISBON	46.9	24.5	35.7	9.5	67	26+	10	16	899	0	1	27	0	.62	- .28	.50	26	.6	2	1	1					
MC LEOO 3 E	46.1	25.3	35.7	9.4	68	25	14	29+	899	0	0	26	0	.30	- .69	.26	26	T	0		1					
NAPOLEON	44.1	24.5	34.3	10.3	69	25	7	9	943	0	2	27	0	.27	- .68	.11	26	T	1	1	1					
OAKES	43.3	23.7	33.5	7.6	70	26	15	29+	970	0	3	29	0	.27	- .66	.14	27	.0	2	2+	1					
WAMPETON	45.8M	27.1M	36.5M	9.6	67	25	13	16	870	0	1	26	0	.26	- .60	.15	26	T			2					
WISHEK	42.9M	22.3M	32.6M	9.1	70	26	3	9	995	0	3	30	0	.93	-.22	.50	27	5.0			3					
OIVISION			34.5	9.0										.40	- .52			.8								

See reference notes following Station Index.

NORTH DAKOTA
MARCH 1961

See reference notes following Station Index.

DAILY PRECIPITATION

NORTH DAKOTA
MARCH 1961

Continued

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
POWERS LAKE 1 N	.05					.05		T											T					T								
PRETTY ROCK	.12			T		.03							.09						T									T	T	T		
RAUB 10 SSW	T					T																					T					
REEDER	.45					.15							.30																			
REEDER 14 N	.14		T			T	.03							.09	T					T			.02									T
RICHARDSON ABBEY	.41		.02	T		.07	T	T			T	.01	.24		.02			.02					T			.03			T	T		
RIVEROALE	.26		T			.03								.03	.10												.10	T	T			
ROLLA	.34					.07																				.27			T			
RUGBY	.13	T				.04			T										T	T						.08	.01					T
RYDER	.24					.03							T			T			.15													
SAN HAVEN	.13	T				.02			T									T									.11	T	T	T		
SELFRIEGE 5 W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SENTINEL BUTTE 20 S	.35		T			.13							.12					.10														
SHARON	.37						T	T										.05				.02						.30				
SHERWOOD 3 N	.44					.42																				.02		T				
SHIELDS	.08			T		.02	.04											.02														
STANLEY	.06	T				T	.05																T					.01				
STEELE	.02	T				T						T			T				T									.02	T			
SYKESTON	.05					T	.05																						T	.05		
TAGUS	.09					T	.05											.03								.01						
TIOGA 1 E	.05					.05																										
TOMNER	.18																										.18					
TROTTERS 3 S	.39		.13	T		.06							.13							T			.03				.04	T				
TURTLE LAKE	.03	T				.02	T								T	T											.01	T				
TUTTLE	.02	T							T																		.02	T				
UNDERWOOD 4 ESE	.13	T				T	.05								T	.08																
UPHAM 3 N	.04					.02			T									T									.02					
VALLEY CITY	.46		.01			.01			T	T								.02				.05					.22	.15	T	T		
VELVA	.14					T	.01		T									.02									.11					
VERONA	.17																			T												
WAMPETON	.26						T	T												T	T		.11					.15				
WALHALLA	.06																															
WARMICK	.05						T	T																				.05	T			
WASHBURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATAUGA 5 OAKOTA 8 N	.10			T		.05							T		.05																	
WATFORD CITY	.14					.08								T	.06																	
WATFORD CITY 14 S	.17				.02	.07								.02																		
WESTHOPE	.11	T				T	.06		T	T																		.06	T			
WILOROSE	.11					.06																						.05	T			
WILLISTON WB CITY	.12	T				.02		T				T	T		.08												.02	T	T			
WILLISTON EXP FARM	.18					.02	T						T	T	.13							T						.03	T			
WILLOW CITY	.18					T																										
WILTON	.14					.05																					.17	T				
WISHEK	.93	.02	.02			.25														.10	T		T				.07					
WOODMORTH	.14					.03												.02					.04				.06	.50				

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
MARCH 1991

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	48	45	39	32	39	31	40	33	45	44	40	33	52	46	42	56	60	49	40	54	54	47	54	69	61	40	32	39	53	44	41	45.2
	MIN	25	30	22	23	14	24	27	18	14	27	23	24	23	31	26	24	36	30	25	26	22	35	26	33	36	29	26	21	17	28	27	25.4
AMENIA	MAX	42	45	40	39	38	41	41	34	39	40	40	42	50	49	43	45	41	39	43	42	50	55	63	70	64	36	29	42	53	38	44.5	
	MIN	21	31	21	20	19	17	21	23	14	27	20	15	21	23	20	23	26	25	28	29	31	30			35	27	14	14	29	22	23.1	
AMIDON	MAX	43	43	33	37			35	46	46	48	33	55	46	46	56	46	56		45	48	51	53	51			42	29	30	39	46	47	43.7
	MIN	28	29	19	21		14	19	20	32	26	26	27	29	29	26	27	27	26	26	25	27	33	26	34	26	22	22	23	24	28	19	25.1
ARVILLA STATE PARK	MAX	40	46	35	28	39	44	40	34	34	39	35	37	47	42	31	43	48	40	44	48	42	44	47	59	63	58	31	26			30	41.2
	MIN	15	29	16	8	10	13	18	21	11	25	19	5	21	28	17	6	29	31	20	19	19	25	28	21	38	28	24	12	19		22	19.9
ASHLEY	MAX	43	48	39	33	35	35	30	28	40	43	42	38	55	50	39	47	60	51	42	49	41	42	52	62	70	53	33	35	45	48	42	44.2
	MIN	17	32	17	21	25	25	24	20	9	22	21	20	21	24	17	20	26	30	26	31	29	28	32	28	40	31	20	20	8	30	22	23.7
BEACH	MAX	41	49	39	37	32	33	36	40	34	50	43	46	35	54	45	44	55	54	51	46	55	54	52	56	72	44	33	31	36	54	45	45.0
	MIN	24	27	21	21	4	11	25	18	19	25	24	25	23	25	30	28	29	28	29	29	29	34	22	31	35	28	22	22	18	22	17	24.0
BELCOURT INDIAN RES	MAX	34	36	31	25	25	25	29	29	31	37	29	24	39	38	28	34	46	37	34	44	41	40	40	46	46	38	29	25	44	44	34	34.9
	MIN	10	27	10	0	14	-4	21	17	-13	17	4	8	21	25	-2	3	25	26	8	24	26	28	26	25	32	29	20	9	2	26	12	15.4
BELFIELD	MAX	48	41	42	30	39	33	40	38	50	43	44	38	53	50	43	53	56	55	44	55	53	50	56	66	55		33	34	55	48	45	46.3
	MIN	27	29	20	24	9	19	17	19	19	30	24	25	19	26	23	27	35	25	27	29	25	34	20	29	33	25	22	22	14	27	18	23.9
BEULAH	MAX	45	48	36	33	38	33	42	35	47	42	39	34	57	48	44	56	59	49	44	57	56	53	54	70	65	42	32	39	57	51	39	46.6
	MIN	22	32	22	24	13	23	30	18	16	30	22	23	26	30	23	21	31	30	25	29	24	32	20	33	34	29	28	19	15	28	20	24.9
BISBEE	MAX	36	36	32	22	30	30	35	30	32	34	31	30	43	36	28	37	40	39	39	46	41	42	40	52	49	39	32	29	46	45	36	36.7
	MIN	5	32	10	0	8	5	20	13	-3	18	5	5	23	23	10	10	29	27	18	25	18	30	19	25	32	30	23	13	13		14	16.7
BISMARCK WB AIRPORT	MAX	50	47	41	35	39	34	34	34	46	47	32	38	56	46	42	55	63	47	43	55	51	47	55	68	65	42	33	40	55	47	42	46.1
	MIN	24	28	23	25	16	24	31	21	13	25	24	22	31	30	24	26	31	32	29	31	25	31	25	34	41	33	30	16	11	31	20	26.0
BOTTINEAU	MAX	29	38	35	22	28	31	29	34	24	31	33	25	29	43	31	29	36	40	43	35	46	42	45	39	53	50	33	30	28	50	40	35.5
	MIN	3	19	9	4	10	8	20	10	-3	8	4	6	14	23	12	16	22	25	19	22	29	28	26	28	30	30	26	13	11	23	12	16.4
BOWBELLS	MAX	33	41	35	32	26	26	33	38	27	41	32	32	35	48	37	37	47	38	38	40	52	55	52	46	63	46	31	30	33	56	36	39.2
	MIN	13	24	9	9	17	6	17	7	8	16	8	15	18	26	15	17	25	27	23	29	30	31	24	29	30	26	23	13	15	25	12	18.9
BOWMAN COURT HOUSE	MAX	52	48	41	30	37	34	45	36	53	46	45	33	50	46	42	56	55	50	43	53	54	49	56	76	58	37	32	31	53	46	48	46.3
	MIN	28	28	25	18	25	19	19	22	22	26	26	26	27	26	26	26	29	28	28	23	24	26			26	23	24	12	18	18	15	23.5
BREIEN	MAX	53	50	43	37	40	34	34	34	47	48	40	40	55	53	46	57	63	53	46	55	51	50	55	69	68	53	34	42	55	51	43	48.3
	MIN	18	33	25	25	13	22	28	20	8	23	25	22	28	29	27	21	29	34	28			21	33	20	40	22	27	23	18	30	20	24.6
BUTTE	MAX	39	42	41	32	32	36	36	35	28	43	40	36	35	50	40	38	51	55	31	36	52	51	44	39	65	45	34	30	35	53	43	40.9
	MIN	21	24	11	18	18	22	26	15	10	16	13	16	22	29	14	12	29	29	20	26	25	23	24	27	32	30	26	12	13	19		20.7
CARRINGTON	MAX	37	42	41	35	33	40	38	33	26	43	42	33	39	54	37	35	46	52	45	34	52	40	43	40	62	62	37	28	30	48	40	40.8
	MIN	20	24	20	15	15	18	25	17	8	8	15	15	20	25	17	17	19	32	29	25	30	31	29	26	28	34	26	15	13	15	20	21.0
CARSON	MAX	43	53	46	42	30	40	32	39	36	48	47	42	34	51	50	44	57	62	50	42	52	54	47	55	68	64	34	34	40	53	47	46.3
	MIN	22	30	17	23	12	20	26	19	11	23	23	22	23	24	26	25	32	29	25	25	24	25	20	25	38	30	25	22	12	26	14	23.2
CAVALIER	MAX	32	38	29	21	41	36	37	34	26	37	35	29	42	41	31	37	46	43	39	46	43	46	44	54	56	49	33	26	42	46	35	38.5
	MIN	18	29	9	1	13	13	19	22	8	25	14	7	24	29	15	13	30	33	26	28	32	33	30	26	34	33	23	14	13	34	15	21.4
CENTER	MAX	42	47	35	33	40	36	37	36	45	41	33	33	55	47	42	55	59	47	58	55	53	50	51	67	61	45	32	38	53	47	38	45.5
	MIN	22	32	19	21	13	21	27	17	10	20	20	20	27	31	19	23	30	30	25	25	28	33	19	23	32	28	26	18	10	18	19	22.8
COOPERSTOWN	MAX	38	41	37	30	38	37	34	31	38	41	34	39	48	48	34	43	44	44	34	49	43	47	46	59	65	62	32	27	41	43	36	41.4
	MIN	18	33	21	14	24	22	26	20	9	25	18	14	22	31	20	14	30	31	29	25	30	31	27	25	36	30	20	13	12	31	19	

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Station		Day Of Month																															Average		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
GARRISON	MAX MIN	38 22	42 30	40 10	37 15	35 14	34 16	35 26	39 14	29 11	43 13	38 15	36 20	33 19	54 28	40 17	37 22	52 28	53 29	44 24	36 26	53 30	55 28	47 26	51 30	64 35	47 30	33 27	30 16	35 14	54 22	40 16	42.1 21.6		
GRAFTON	MAX MIN	36 13	38 33	34 12	27 5	39 15	37 24	37 20	35 24	28 13	37 20	29 14	37 26	43 24	43 31	37 17	39 13	46 31	40 32	37 32	47 28	44 32	48 34	45 30	56 26	60 39	55 33	34 26	28 15	39 13	47 32	47 17	35 23	40.2 23.2	
GRANO FORKS FAA AIRPORT	MAX MIN	38 23	41 28	28 17	32 13	39 29	37 27	40 28	32 22	32 15	37 28	29 19	37 26	45 25	36 29	29 18	43 14	47 34	42 34	35 29	46 28	43 33	48 34	45 29	58 41	64 49	49 32	33 24	24 17	38 15	49 31	38 18	31.6 25.0		
GRANO FORKS UNIVERSITY	MAX MIN	38 20	40 33	38 18	32 11	39 27	37 25	39 27	33 23	31 13	37 26	34 17	38 13	45 24	41 31	31 19	42 14	47 32	43 34	35 32	47 28	43 33	47 34	45 31	57 28	64 41	58 32	32 16	26 14	37 14	51 33	34 19	40.5 25.1		
GRANO RAPIOS 1 N	MAX MIN	43 19	46 34	41 19	35 21	41 29	42 24	38 26	32 24	41 10	41 26	38 19	42 17	53 20	47 29	39 15	50 13	58 33	52 33	48 31	53 29	42 33	48 33	48 23	64 40	69 40	60 36	36 20	48 10	52 33	40 22	45.9 24.9			
GRANVILLE	MAX MIN	40 15	40 30	34 15	30 15	36 16	37 15	32 16	42 28	14 9	37 21	33 12	37 16	51 29	40 29	37 16	49 23	49 32	41 29	35 20	54 25	53 25	47 26	40 23	65 31	56 31	40 31	31 17	35 16	55 16	45 30	35 21	41.7 21.7		
GRENORA	MAX MIN	45 19	42 24	35 19	30 17	36 29	34 10	34 18	30 3	46 12	42 23	36 15	37 20	52 26	49 25	40 20	52 32	53 26	43 24	46 27	56 27	58 30	67 26	54 30	58 30	77 48	32 30	20 14	37 19	58 26	55 40	40 21	44.6 21.4		
HANKINSON R R STATION	MAX MIN	43 24	49 24	48 24	38 23	37 25	35 24	42 23	38 20	30 20	39 20	38 23	36 22	43 13	48 21	47 23	35 15	44 15	54 31	45 23	45 26	47 26	38 32	48 30	50 24	57 27	67 40	44 29	30 19	31 16	42 16	48 27	43.1 23.5		
HANNAH	MAX MIN	34 3	35 24	26 -1	21 -9	32 8	27 -2	39 13	31 12	31 -10	30 9	35 19	28 -3	40 21	36 25	3 3	39 7	35 24	35 22	37 24	44 22	39 29	46 28	50 24	41 30	35 28	32 24	48 34	43 31	32 21	26 10	42 10	38 31	32 12	35.0 14.7
HANSBORO	MAX MIN																																		
HETTINGER	MAX MIN	56 24	45 24	39 19	29 19	35 24	31 18	46 24	36 16	54 16	47 29	50 23	36 27	47 15	45 24	38 27	55 25	57 37	50 30	37 31	50 28	51 30	46 30	55 22	69 34	61 35	39 58	34 28	37 22	54 16	45 27	47 16	45.8 24.3		
HILLSBORO	MAX MIN	46 22	41 34	34 21	35 15	39 28	40 25	41 28	39 26	33 13	41 26	39 20	33 14	38 18	40 31	40 20	43 12	52 31	50 33	39 33	48 23	45 32	49 34	48 30	59 25	66 42	58 33	29 15	39 14	51 30	39 21	43.0 25.0			
JAMESTOWN FAA AIRPORT	MAX MIN	41 19	44 29	35 23	33 19	39 27	36 25	32 27	33 40	40 11	42 26	32 17	40 17	54 25	40 24	39 18	47 26	50 30	43 33	39 30	51 29	39 31	45 31	45 27	62 41	68 39	42 32	33 16	42 32	44 30	37 19	41.9 24.4			
JAMESTOWN STATE HOSP	MAX MIN	41 21	42 35	36 23	32 19	39 27	35 27	36 28	30 20	41 14	44 26	35 17	39 18	52 25	43 31	35 19	45 27	50 34	46 32	38 30	50 30	40 32	44 32	42 29	65 39	60 33	33 18	30 14	42 33	45 37	37 22	42.2 25.6			
KEENE 2 S	MAX MIN	44 19	43 28	36 14	38 26	30 14	34 14	40 10	39 12	35 10	38 18	39 20	38 21	52 28	46 26	43 21	52 27	55 31	53 27	56 29	53 28	53 29	55 33	70 25	53 32	33 25	35 18	37 14	46 18	43 24	41 18	44.7 22.4			
KENMARE	MAX MIN	35 18	43 22	38 11	31 10	27 13	30 7	35 17	42 8	28 8	43 14	35 10	35 10	35 25	49 26	38 14	48 15	41 24	42 26	38 19	52 28	50 30	56 30	50 23	48 24	62 30	46 30	32 11	30 12	34 20	58 36	40.5 18.3			
KENSAL WILDLIFE REFUGE	MAX MIN	40 16	45 30	40 20	34 15	40 19	34 23	42 26	36 16	40 7	45 23	35 15	40 14	52 22	36 30	40 15	46 49	49 30	45 28	49 35	45 29	45 31	60 27	65 31	61 37	31 31	42 21	44 14	42 9	44 32	40 20	43.2 22.5			
LANGOON EXP FARM	MAX MIN	33 5	35 25	31 2	26 -4	34 8	33 15	35 19	32 14	29 -5	37 21	32 5	28 3	40 20	39 24	29 6	35 8	42 26	39 22	37 15	43 25	42 29	46 30	42 26	51 30	50 34	45 30	34 22	27 8	39 30	38 8	32 11	36.6 16.3		
LARIMORE	MAX MIN	38 16	40 18	33 17	28 9	39 20	35 15	37 22	33 22	33 11	38 25	34 16	35 11	46 24	39 29	30 19	41 14	46 30	42 30	34 25	47 31	41 33	48 33	45 29	57 32	62 38	60 31	33 12	26 10	40 32	48 18	35.0 22.4			
LEEDS	MAX MIN	38 16	39 30	32 18	28 7	35 22	33 18	33 25	32 13	37 5	36 24	31 8	34 15	48 29	45 16	30 17	42 18	48 32	38 27	35 25	50 27	47 31	44 31	42 27	58 31	55 33	42 33	28 14	48 13	47 32	37 21	39.5 22.1			
LINTON	MAX MIN	52 28	48 24	44 20	36 18	36 19	35 17	33 12	33 27	44 12	47 24	37 20	39 22	57 30	49 20	42 24	54 32	58 34	51 28	46 28	54 30	46 28	56 30	67 29	75 25	58 25	36 22	41 22	53 25	51 23	44 21	47.4 25.0			
LISBON	MAX MIN	41 21	46 35	45 20	36 21	39 28	43 20	42 25	36 23	42 14	45 26	42 24	42 17	53 10	52 30	39 17	49 10	55 30	55 28	47 33	47 23	50 32	45 32	46 32	63 25	67 39	67 39	32 20	44 13	55 29	44 23	46.9 24.5			
LOSTWOOD 12 N	MAX MIN	40 14	40 25	32 14	28 15	27 15	33 -2	37 7	30 7	41 17	39 26	32 7	34 15	48 24	46 11	42 23	43 30	40 25	38 22	51 28	51 26	53 30	63 19	63 35	35 24	30 22	31 10	55 11	52 11	38 26	41.6 19.1				
MAODOCK AGR 1 SCHOOL	MAX MIN	39 13	40 25	34 16	30 10	41 15	34 20	34 15	32 15	41 3	40 23	32 9	35 12	51 26	45 15	34 12	42 16	50 30	40 27	35 25	52 30	46 23	43 29	42 27	59 33	55 37	44 30	35 23	50 14	51 29	39 17	41.1 20.9			
MANDAN EXP STATION	MAX MIN	42 23	49 30	45 20	39 23	33 11	38 16	32 26	34 19	31 11	45 21	47 21	31 20	55 23	44 30	41 24	56 31	62 33	45 26	43 26	54 23	51 29	45 22	53 27	67 39	60 32	34 18	37 12	54 27	44 22	44.5 23.6				
MANDAN FT LINCOLN PARK	MAX MIN	51 28	49 23	46 24	41 19	39 10	36 21	48 25	34 23	48 23	51 26	43 18	37 16	56 25	54 28	49 31	54 34	65 33	54 26	52 24	56 23	53 21	48 20	61 34	66 35	58 27	34 13	40 27	56 20	52 12	47 21	48.7 23.6			
MARMARTH	MAX MIN	45 23	55 29	43 13	41 19	35 7	35 17	40 28	36 20	46 20	55 29	48 24	50 29	54 19	39 28	47 30	47 28	62 34	55 30	54 28	45 30	56 27	54 37	53 30	59 37	55 31	40 23	34 13	56 23	56 17	48 28	48.7 24.9			
MAX	MAX MIN	37 13	40 20	40 12	33 6	31 16	34 16	35 26	38 13	29 7	41 13	37 12	34 20	33 13	51 28	38 17	36 20	51 25	53 22	36 37	36 26	51 25	50 28	47 23	48 31										

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICH 4 SW	MAX MIN	34 4	34 26	36 7	30 -2	32 9	34 12	33 16	30 16	31 -5	34 18	32 8	28 4	41 22	35 25	26 10	36 13	41 28	35 19	37 26	45 27	40 29	42 29	38 29	53 25	54 39	49 32	34 23	27 10	42 12	37 31	32 14	36.5 17.9
NAPOLEON	MAX MIN	43 18	45 32	40 18	34 21	34 25	35 22	31 26	31 18	42 7	42 22	38 19	38 20	53 25	43 33	39 18	48 21	53 34	46 30	43 26	57 33	42 31	43 29	52 22	63 29	69 43	59 31	33 26	37 19	48 11	45 31	40 21	44.1 24.5
NEW ENGLAND	MAX MIN	51 23	39 30	40 17	33 24	36 6	36 25	46 26	35 20	52 16	45 30	48 24	36 26	55 16	48 28	42 29	55 25	56 34	51 30	43 28	52 28	53 22	49 33	55 20	71 35	63 37	40 28	34 23	36 24	54 14	48 28	45 17	46.7 24.7
NEW SALEM 1 SE	MAX MIN	48 22	45 29	37 23	31 21	37 16	31 20	39 27	33 18	46 23	43 29	35 21	33 19	55 25	45 33	43 20	53 33	61 34	47 30	42 24	52 29	50 22	46 36	52 24	67 31	60 32	40 28	31 26	38 22	53 15	45 30	40 18	44.5 25.2
NEWTOWN	MAX MIN	48 21	48 31	38 16	30 7	31 16	32 7	41 26	35 12	46 14	36 26	33 25	32 21	52 29	49 22	39 21	50 26	52 30	52 26	46 24	53 29	55 28	54 36	52 23	65 32	60 34	38 27	56 14	53 16	37 19	47 31	37 19	44.5 23.6
OAKES	MAX MIN	39 17	41 19	45 21	39 22	34 22	37 25	41 24	32 24	27 15	39 16	43 22	33 20	41 20	50 23	46 20	37 15	47 20	54 33	47 32	47 30	48 32	38 32	47 27	52 26	62 30	70 38	40 29	30 23	35 15	45 18	55 24	43.3 23.7
PARK RIVER	MAX MIN	38 18	40 32	33 12	26 7	40 14	36 26	36 22	34 22	30 13	38 25	37 15	34 10	48 20	45 30	31 17	39 13	47 30	46 32	39 30	48 26	45 29	48 33	47 28	56 28	59 33	58 34	28 13	41 10	47 30	37 16	40.8 22.5	
PARSHALL	MAX MIN	43 19	44 29	38 16	31 21	32 7	33 17	39 28	37 12	45 13	42 24	34 16	35 20	53 25	52 18	40 17	53 26	52 32	50 25	40 22	53 30	56 26	55 36	50 22	67 32	66 38	40 27	31 26	35 15	55 16	54 28	39 19	45.0 22.7
PENBINA	MAX MIN	36 5	37 25	25 0	27 -5	39 14	38 26	40 16	35 21	26 7	39 23	35 11	31 1	39 20	39 26	28 10	42 23	43 26	38 22	45 24	47 25	45 32	48 32	42 29	58 24	56 38	48 33	27 16	40 9	43 14	34 14	38.8 19.1	
PETERSBURG	MAX MIN	36 15	37 25	30 17	26 9	38 18	34 23	34 22	31 20	34 5	36 25	33 13	32 11	45 20	41 23	29 15	39 13	45 30	40 30	33 28	46 23	40 26	45 31	43 27	55 25	60 36	55 31	25 11	38 9	42 30	32 17	38.2 20.7	
PETTIBONE	MAX MIN	41 15	42 23	39 17	33 16	39 9	35 18	31 16	31 16	41 6	42 20	34 13	38 16	53 23	51 29	35 15	44 17	53 32	50 25	35 25	51 29	45 29	42 28	47 27	61 27	65 35	55 30	32 17	49 9	47 24	39 17	43.1 21.2	
PORTAL	MAX MIN	33 13	40 27	35 11	31 12	26 11	25 6	30 17	38 6	25 10	43 21	33 14	34 10	38 18	47 26	36 17	38 20	47 30	39 24	36 25	41 29	52 30	55 32	51 25	47 26	64 32	46 26	30 22	30 13	51 16	55 29	38.2 19.9	
POWERS LAKE 1 N	MAX MIN	35 14	42 24	37 10	30 13	28 10	26 8	32 20	37 7	28 8	36 12	34 8	33 20	43 22	37 19	38 17	48 19	46 28	46 18	42 27	43 25	51 27	55 30	50 21	51 23	62 30	29 26	34 10	29 14	34 24	35 10	39.0 18.3	
RAUB 10 SSW	MAX MIN	46 24	34 22	31 19	45 15	40 14	34 14	34 16	28 15	45 16	39 25	35 22	32 20	56 25	45 30	40 21	54 26	54 35	50 25	53 30	48 25	55 36	52 36	52 24	68 34	63 38	41 20	30 17	55 20	46 25	46 25	45.2 23.7	
RICHAROTON ABBEY	MAX MIN	48 23	45 30	40 23	34 23	37 15	33 23	43 26	39 18	48 14	45 30	42 26	40 18	53 32	51 24	46 26	54 25	57 34	52 29	43 26	52 23	54 23	51 36	54 28	70 36	66 40	42 27	32 21	37 16	55 29	51 21	41 21	46.9 25.4
RIVERDALE	MAX MIN	38 22	46 25	40 20	32 16	30 16	37 12	33 24	38 16	30 12	45 16	38 16	35 17	34 22	54 27	40 19	54 27	53 27	40 24	37 26	53 23	56 27	46 22	51 26	65 33	45 29	32 27	30 14	35 14	54 22	40 21	42.0 21.8	
ROLLA	MAX MIN	42 15	38 29	30 9	23 1	28 5	26 3	34 30	30 17	42 -4	42 20	27 8	27 5	40 21	39 22	25 12	54 12	44 27	38 28	35 19	44 25	40 29	42 30	35 28	48 26	47 33	35 29	22 12	25 12	45 29	40 10	35 17	35.5 17.9
RUGBY	MAX MIN	38 10	38 24	35 14	28 4	36 15	34 6	34 22	32 12	36 2	37 22	32 12	32 22	44 27	42 24	32 8	40 14	38 30	39 25	36 19	48 26	47 29	48 29	44 28	57 34	57 34	33 32	30 15	50 30	46 17	38 17	39.5 19.4	
SAN HAVEN	MAX MIN	34 7	36 27	34 15	28 9	30 17	30 14	31 23	31 17	32 -1	41 21	32 6	30 12	42 23	40 17	30 12	36 28	49 15	43 18	37 17	45 25	43 28	43 27	42 26	52 27	52 35	39 30	31 22	27 11	47 11	44 28	35 14	37.6 19.1
SHARON	MAX MIN	37 17	40 33	34 20	38 12	38 24	37 20	33 25	31 21	36 8	40 25	33 17	38 12	48 22	43 29	33 18	42 14	45 30	41 30	33 25	45 30	40 30	46 32	45 28	57 35	63 35	57 32	25 12	39 12	44 30	44 20	40.2 23.0	
STANLEY	MAX MIN	43 20	40 28	34 14	27 19	29 11	33 11	41 26	30 9	43 11	39 26	34 16	34 16	50 25	44 26	46 16	50 26	48 26	49 30	38 28	52 29	51 29	50 34	50 22	65 34	62 34	29 25	34 23	54 14	50 14	37 15	42.6 21.6	
STEELE	MAX MIN	45 22	43 32	37 20	34 21	33 20	33 21	33 26	30 19	33 20	43 26	34 16	37 18	57 24	52 30	42 17	50 24	55 30	53 17	43 27	52 32	47 32	43 31	52 27	65 40	66 40	60 32	36 20	50 12	50 28	43 28	44.6 24.7	
TIOGA 1 E	MAX MIN	36 12	42 24	38 12	36 12	30 15	26 1	33 19	37 7	42 7	44 17	33 10	34 19	34 25	50 27	40 18	39 19	49 28	47 27	48 26	53 27	55 28	53 30	52 22	65 35	51 26	29 21	30 11	35 15	55 24	35 14	41.2 19.6	
TOWNER	MAX MIN	37 22	40 29	34 18	27 15	33 18	37 17	39 16	37 15	35 11	33 26	30 14	35 18	47 25	45 19	33 18	46 28	43 18	38 29	50 18	49 19	49 32	45 27	42 27	62 31	58 29	31 29	32 29	53 15	43 19	37 17	40.8 21.3	
TROTTERS 3 S	MAX MIN	49 25	50 28	45 29	30 24	34 12	36 20	42 23	33 17	50 20	41 29	46 21	35 28	55 29	45 28	47 28	55 28	55 28	52 27	48 29	58 29	54 28	52 32	57 26	73 35	53 31	33 26	31 22	55 22	48 19	42 29	46.5 25.6	
TURTLE LAKE	MAX MIN	42 23	43 29	35 18	33 21	39 18	35 18	35 28	42 16	42 11	39 27	33 15	35 15	54 29	52 30	35 17	51 23	56 32	50 30	49 24	53 28	55 23	53 27	52 21	64 35	64 35	45 30	27 16	53 15	50 29	38 17	44.2 23.0	
UNOERWOOD 4 ESE	MAX MIN	41 21	42 31	38 18	32 20	38 14	36 18	36 42	36 18	42 10	47 21	35 13	34 18	53 28	51 26	39 18	52 23	54 32	41 29	33 23	51 25	50 22	47 24	50 21	64 31	62 38	44 28	35 15	53 14	52 15	40 17	43.5 22.0	
UPHAM 3 N	MAX MIN	40 0	39 26	34 3	26 5	36 5	29 5	38 25	36																								

Continued

DAILY TEMPERATURES

NORTH DAKOTA
MARCH 1961

Station		Day Of Month																															MARCH 1961	
																																	Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
WISHEK	MAX	37	48	43	37	33	35	37	31	30	40	43		37	54	45	40	47	56	50	43	44	40	43	52	62	70	35	29	35	45	47	42.9	
	MIN	15	25	18	19	22	25	25	20	3	12	22		20	25	12	20	23	32	28	30	30	27	32	29	32	33	27	20	5	16	22	22.3	

SNOWFALL AND SNOW ON GROUND

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERCROMBIE	SNOWFALL SN ON GND	T				T			T														.5								T		
ALMONT 7 SW	SNOWFALL SN ON GND	-	-	-	-	2	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMENIA	SNOWFALL SN ON GND	T	T																														
ASHLEY	SNOWFALL SN ON GND	2	1	1	T 1	.5 1	1	1	1	1												T					1.5 1		1				
BEACH	SNOWFALL SN ON GND	T			T 2	1.5 2	.5 2	2	1	T	T	T		2.0 1																	T T		
BELCOURT INDIAN RES	SNOWFALL SN ON GND	T 14		T 13		13	.6 13	14	14	14	14	14	13	13	13	12	12	10	7	6	6	4	3	1							T		
BISMARCK WB AIRPORT	SNOWFALL SN ON GND	T			.4 T	.2 T			T				.2	T							T							T	T	T			
BOTTINEAU	SNOWFALL SN ON GND	10	T 9		8	.8 9	8	7	7	T 7	7	7	7	7	6	6	6	4	3	2	1									T			
BOWBELLS	SNOWFALL SN ON GND	5	5	4	3	.3 3	3	2	2	T 2	2	1	1	1	1	1	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
CAVALIER	SNOWFALL SN ON GND	-	T 3	T 3		.2 3	2	1	1	T 1	1	T	T	T	T	T	T	T	T	T		T T	T	T	T					T T			
CENTER	SNOWFALL SN ON GND	T	T	T	T		T	T	T	T	T	T	T	T	T																		
CROSBY	SNOWFALL SN ON GND	1	T	T	T	.4 T			T																		T	1.0 T	T				
DEVILS LAKE WB CITY	SNOWFALL SN ON GND	T 6		T 5	T 4	.4 4	T 3	.2 3	T 3	3	2	T 2	2	2	T	T	T	T	T	T	T	T	T	T	T		.1	T T	T T	T		T T	
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND		T	T	.1 T		T	T	T				T	.8	1															T			
DUNN CENTER 2 SW	SNOWFALL SN ON GND	T			T	.5 1	T 1	T 1	T				T T		.5 1																		
ELLENDALE	SNOWFALL SN ON GND	T	T	T	T		T	T	T	T	T	T	T	T	T	T	T																
FAIRFIELD	SNOWFALL SN ON GND				1.5 2		1	1	T					.5 1																			
FARGO WB AIRPORT	SNOWFALL SN ON GND	T	T		T				T		T											T	T					T	T	T	T	T	
FESSENDEN	SNOWFALL SN ON GND					.6 T																											
FORT YATES	SNOWFALL SN ON GND					-																											
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	1	.2 1	T 1	1	T 1	1	1	1	T	.1											T						3.0	.2 2	T 2	T 2	T T	
GRAND RAPIDS 1 N	SNOWFALL SN ON GND	2	1	1	1	T 1	1						T	T																			
GRANVILLE	SNOWFALL SN ON GND	5	5	5	T 5	1.0 6	6	5	5	4	4	4	3	2	1	1	T														T T		
HANNAH	SNOWFALL SN ON GND	12	T 11	T 11		T 11		11	10	10	10	9	8	8	7	7	7	6	6	5	4	3	2	1	T	T				T T	T T	T	
HETTINGER	SNOWFALL SN ON GND				- 1	T	T							- 6	3	T																	
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND	2	1	1	T 1	T 1	1	1	1	T	T	T	T	T	T							T	T					1.0	T 1	T T	T	T	
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND	T	T	T	T	T	T	T																				.5 1	T T	T			
LANGDON EXP FARM	SNOWFALL SN ON GND	8	T 7	T 7		T 6	6	.1 6	T 6	6	5	5	5	4	4	4	4	3	2	1	T	T											
LEEDS	SNOWFALL SN ON GND	2	2	2	2	2	1	1	1	1	T	T	T	T	T																		
LISBON	SNOWFALL SN ON GND	2	.6 1	1	1	1																											
MARMARTH	SNOWFALL SN ON GND		T		.5 1	.2 1	T							1.0 1		T T																	

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
MARCH 1961

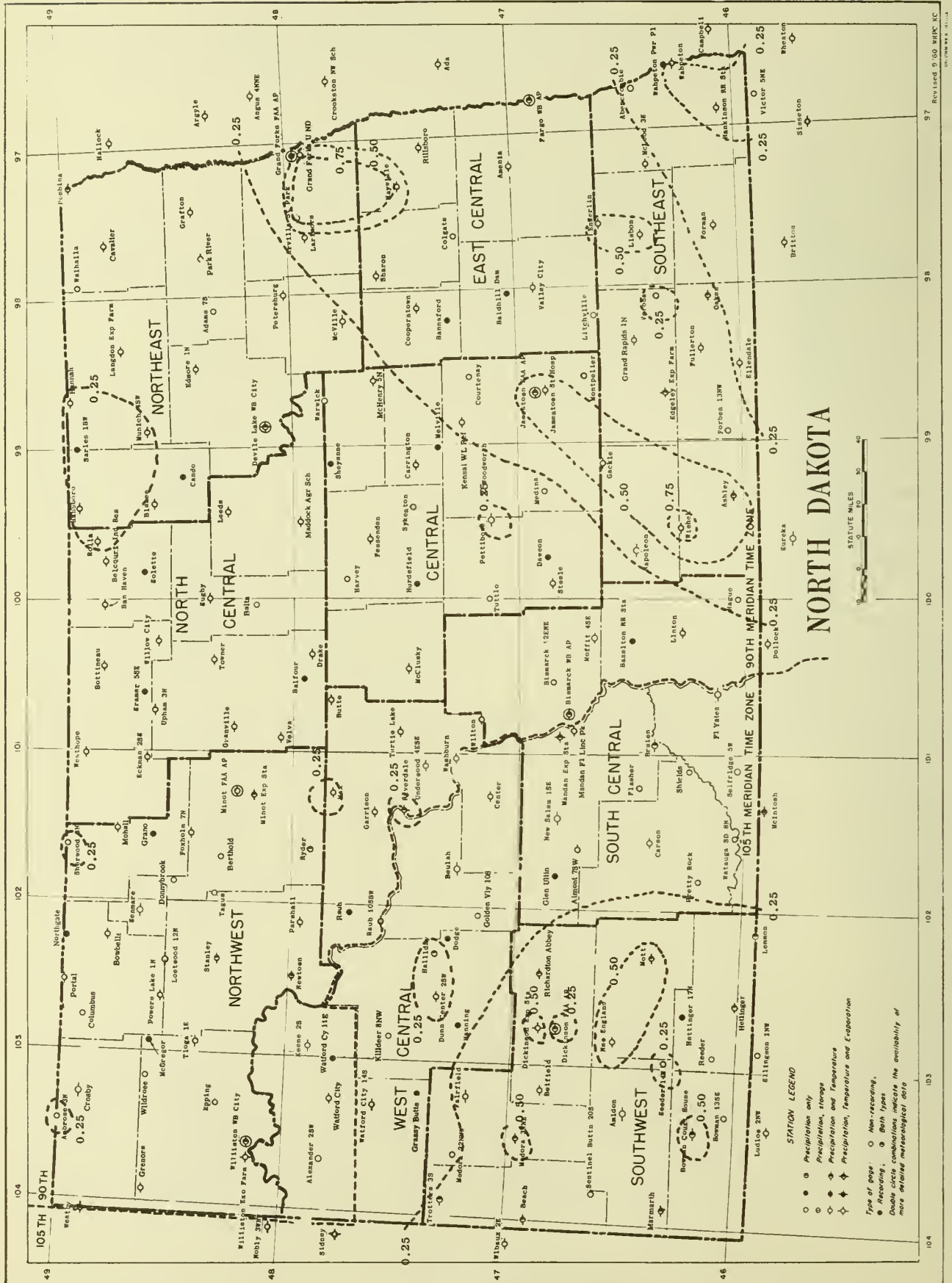
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Station		Day of month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MAX	SNOWFALL SN ON GND	6	5	4	4	.8 4	4	4	3	3	3	3	2	.3 2	T 1	1	T	T	T	T	T	T													
MAYVILLE	SNOWFALL SN ON GND	2	2	2	T 2	T 2	2	1	T 1	T 1	1	1	T	T	T	T	T	T	T	T	T	T T	T	T	T	T	T	.1 T	.2 T	T T	T	T	T		
MC CLUSKY	SNOWFALL SN ON GND	1	1	1	1	.1 1	1	1	1	T	T	T	T	T	T	T	T	T	T																
MC HENRY 5 N	SNOWFALL SN ON GND	8	8	8	8	.2 7	7	T 7	T 7	7	8	8	6	3	3	3	T						.2					.4 T	T	T	T				
MINOT FAA AIRPORT	SNOWFALL SN ON GND	1	1	1	T 1	.4 1	T	T	T T	T	T		T	T														T	T						
MORALL	SNOWFALL SN ON GND	8	8	5	5	T 4	4	4	3	3	3	3	3	3	1	T	T	T	T	T	T	T						T T							
MOTT	SNOWFALL SN ON GND	-	-	-	-	1	-	-	-	-	-	-	-	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MUNICH 4 SW	SNOWFALL SN ON GND	T 6	T 5	T 5		5	4	4	T 4	4	4	4	4	4	3	3	3	2	T 2	1				T					T	T					
NAPOLEON	SNOWFALL SN ON GND	1			T T	T						T T																							
PARK RIVER	SNOWFALL SN ON GND	2	2	T 2	2	T 2	1	T	T	T	T	T	T	T															T	T					
PARSHALL	SNOWFALL SN ON GND	1			T T	T T								T T																					
PETERSBURG	SNOWFALL SN ON GND	5	5	5	5	.1 4	4	4	4	T 4	4	4	4	4	2	2	2	1	T	T	T	T	T	T				.4 T	T	T					
PETTIBONE	SNOWFALL SN ON GND	1																										T	T						
PRETTY ROCK	SNOWFALL SN ON GND			T	1.0 1								4.0 4	2														T	T						
RICHARDTON ABBEY	SNOWFALL SN ON GND	T	T	T	T	.8 T	T	T	T	T	T	T	T	.1 4	4.0 T	.2	T	T												T	T				
RIVERDALE	SNOWFALL SN ON GND	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T													T						
SHARON	SNOWFALL SN ON GND	2	T	T	T	T	T	T	T	T	T	T	T	T	T	T						T						2.0 2	1	1					
STANLEY	SNOWFALL SN ON GND	1	T	T	T	.8 1	1	T	T	T	T	T	T	T																					
VELVA	SNOWFALL SN ON GND	1	1	1	1	T 1	1	1	1	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T										
WATFORD CITY	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON WB CITY	SNOWFALL SN ON GND WTR EQUIV	3 .2	1	1	T	.2	T	T	T	T	T		T	T													.1	T	T						
WILLOW CITY	SNOWFALL SN ON GND	7	6	6	6	T 6	6	6	6	6	6	6	6	6	5	4	4	4	3	3	1	T	T	T	T	T			T						

See reference notes following Station Index.

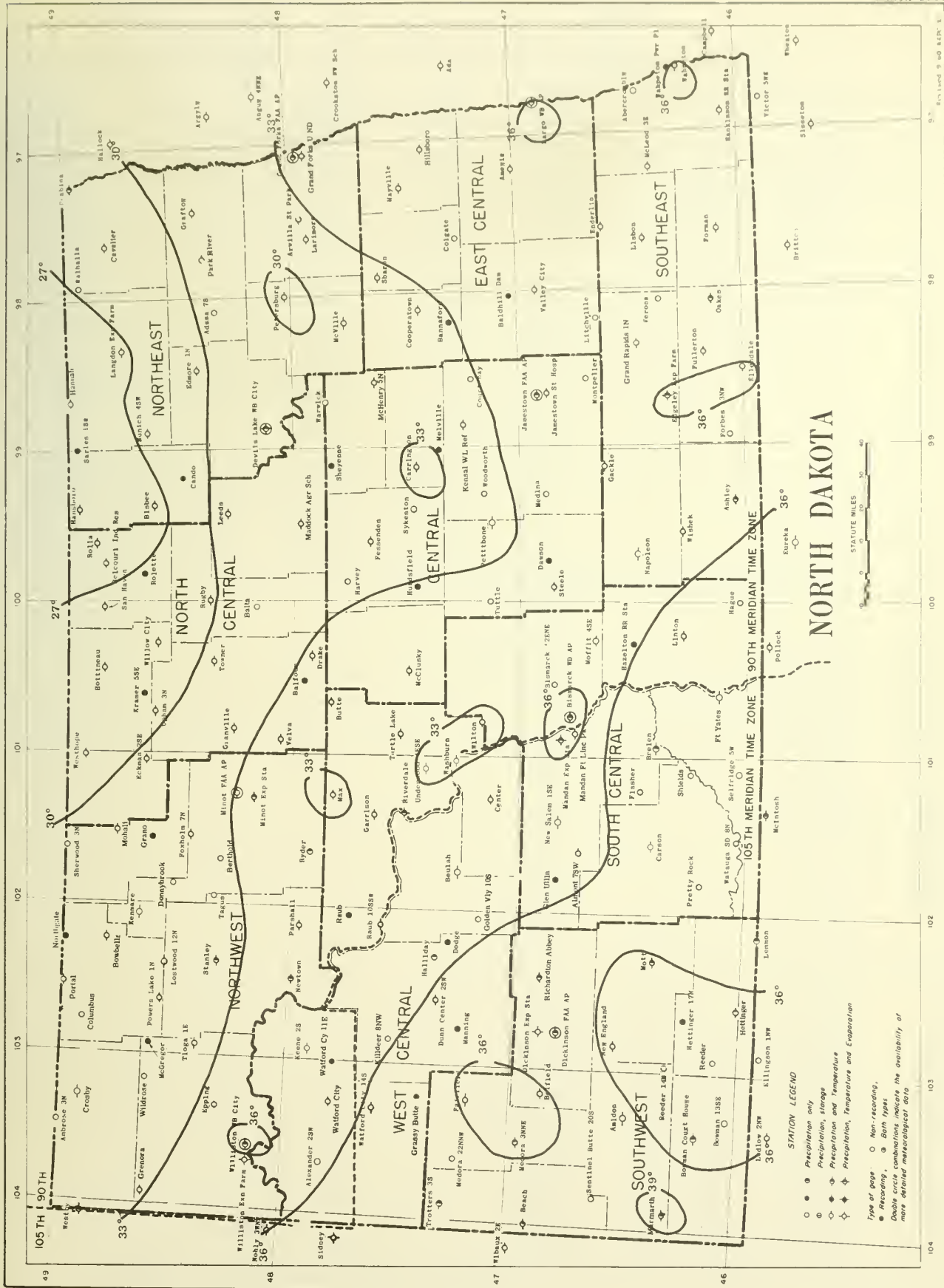
TOTAL PRECIPITATION

MARCH 1961



AVERAGE TEMPERATURE

MARCH 1961



STATION INDEX

NORTH DAKOTA
MARCH 1961

MARCH 1961																								
STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL		
ABERCROMBIE	0005	RICHLAND	10 46 27	96 45	935	8A					H	HELMER AMUNSEN	PETITONE	7047	KIOGER	8 47 07	99 31	1855	7P	7P		H	ARTHUR J. OKREY	
ADAMS 7 S	0022	WALSH	10 48 20	98 06	1594	6P						MYRON J. BATA	PORTAL	7201	BURKE	12 49 00	102 33	1954	9A	9A			U S CUSTOMS OFFICE	
ALEXANDER 2 SW	0096	MCKENZIE	13 47 50	103 40	2170	7P					H	WILLIAM W. BAKER	POWERS LAKE 1 N	7281	BURKE	8 48 34	102 38	2205	8A	8A			HERBERT J. CLARK	
ALMONT 7 SW	0136	MORTON	4 46 43	101 39	2320	7P						H	HOMER RAMSLAND	PRETTY ROCK	7311	GRANT	1 46 10	101 51	2480	6P	6P			FREDA LEER
AMHROSE 3 N	0189	DIVIDE	12 49 00	103 24	2027	5P						U S BORDER STATION	RAUB	7405	MCLAN	8 47 44	102 04	1895	8P	8P			GEORGE A. HANSON	
AMENIA	0190	CASS	11 47 00	97 13	960	5S					H	VIRGIL L. OEBKE	RAUB 10 SW	7408	MCLAN	8 47 36	102 06	1958	6P	6P			LYLE P. HOLMAN	
ARVILLA STATE PARK	0369	GRAND FORKS	10 47 56	97 30	960	6P						REIDER 14 N	7452	ADAMS	3 46 06	102 57	2810	6P	6P				THEO. B. FAGERLUND	
ASHLEY	0382	MCKINOSH	8 46 02	99 22	2001	5S					C	VERNON C. THOREN	REIDER 14 N	7452	SLOPE	1 46 19	102 57	2784	8A	8A			CHAS. H. MEIZINGER	
BAHILL DAM	0450	BARNES	11 47 02	98 02	1300							SO LINE AGENT	RICHAUDON ARREY	7530	STARK	4 46 53	102 19	2470	5P	5P		C	ASSUMPTION ABBEY	
BALFOUR	0492	MCKENRY	12 47 57	100 32	1615							U S CORPS OF ENGINEERS	RIVERDALE	7585	MCLAN	8 47 30	101 21	1950	8A	8A			U S CORPS OF ENGINEERS	
BALTA	0500	PIERCE	11 48 10	100 02	1590	6P						C	ANTH. ROGSTAD	ROLLETTE	7655	ROLLETTE	12 48 00	99 50	1630					HENRY JOHNSON
BEACH	0590	GOLDEN VALLEY	7 46 55	104 01	2024	6A					H	EMIL SCHMALTZ	ROLLA	7664	ROLLETTE	2 48 52	99 37	1819	7P	7P			THEO. B. FAGERLUND	
BELOFT INDIAN RES	0626	ROLLETTE	9 48 50	99 45	1960	7P						LUTHER F. HODGINS	RYDER	7704	PIERCE	12 48 22	100 00	1560	6P	6P			FRANK HORNSTEIN	
BELOFT	0639	STARK	4 46 53	103 11	2583	7P						C	RICHAUDON ARREY	RYDER	7704	WARD	8 47 55	101 40	2108	6P	6P			S. C. SCHELLENBAUM
BERTHOLD	0729	WARD	12 48 19	101 44	2080	6P						C	CARL INDERGAARD	SAN HAVEN	7824	ROLLETTE	12 48 50	100 02	2001	6P	6P			STANLEY OWLING
BEULAH	0768	MERCER	6 47 16	101 47	1780	7P						JOAN COX	SARLES 1 SW	7844	TOWNER	9 48 56	99 00	1602						DAVID E. MAGLANO
BIGBEE	0796	TOWNER	2 48 37	99 22	1800	6P						MONMOUTH UTILITIES CO	SARLES 2 SW	7952	SILOUX	1 46 02	101 06	2229	6P	6P				JOSEPH MOSSET
BISHARCK W. AIRPORT	0819	BURLINGHE	8 46 46	100 45	1647	MID					C	ROBERT J. KRICK	SARLES 3 SW	7952	SILOUX	7 46 37	103 45	2642	7P	7P				GU E. BURY
BISHARCK 12 ENE	0827	BURLINGHE	8 46 51	100 35	1709	8A						U S WEATHER BUREAU	SARLES 4 SW	7952	SILOUX	10 47 36	97 54	1516	8P	8P				HUGH LYON
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						KFTR TRANSMITTER	SARLES 5 SW	7952	SILOUX	12 49 00	101 38	1647	6P	6P				U S CUSTOMS OFFICE
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A					H	N D SCHOOL OF FORESTRY	SARLES 6 SW	7952	SILOUX	11 47 50	99 07	1480	6P	6P				ALVIN H. KENNEDY
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						H	FELIX L. ADAMS	SARLES 7 SW	7952	SILOUX	1 46 14	101 07	1806	6P	6P			JAMES H. ROSENDOUGH
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	MICHAEL R. HIRSCH	SARLES 8 SW	7952	SILOUX	8 48 19	102 24	2280	7P	7P			NA. G. EVANS
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	GEORGE HIRSCH	SARLES 9 SW	7952	SILOUX	8 46 51	99 55	1857	6P	6P			STEELE OZONE PRESS
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	ANNA C. PEDERSON	SARLES 10 SW	7952	SILOUX	5 47 28	99 24	1634	9A	9A			EDWARD SONDAG
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	SAV KRITSKY	SARLES 11 SW	7952	SILOUX	12 48 20	101 56	2179	6P	6P			W. R. ELLINGBOE
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	HARRY E. HARRIS	SARLES 12 SW	7952	SILOUX	8 47 25	101 05	2001	6P	6P			SIGNAL OIL AND GAS
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	ANDREW H. HUNTZ	SARLES 13 SW	7952	SILOUX	12 48 21	100 24	1482	7P	7P			AUGUST B. RIEDER
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	JACK STEWART	SARLES 14 SW	7952	SILOUX	13 47 17	103 54	2420	6P	6P			JOHN D. NELLEHOE
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	WILLIE HANSEN PICO	SARLES 15 SW	7952	SILOUX	12 48 03	100 55	1511	6P	6P			WALTER L. RENFROW
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	FRED L. HEINZ	SARLES 16 SW	7952	SILOUX	8 47 08	100 00	1880	5P	5P			THEODORE C. OCHSNER
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	JOHN BURELL	SARLES 17 SW	7952	SILOUX	8 47 25	101 05	2001	6P	6P			FERDINAND KOENIG
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	J. D. SUNDELL	SARLES 18 SW	7952	SILOUX	12 48 37	100 44	1425	5P	5P			U S FISH AND WILDLIFE
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	DELAND M. MARSON	SARLES 19 SW	7952	SILOUX	11 46 55	98 00	1230	6P	6P			GEORGE M. KENNEDY
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	GE. M. HANNAH	SARLES 20 SW	7952	SILOUX	12 48 03	100 55	1511	6P	6P			R. R. AYERS
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	JOHN ANURIST	SARLES 21 SW	7952	SILOUX	5 46 22	98 05	1382	6P	6P			WARREN D. TANG
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	JOHN R. RILLINGTON	SARLES 22 SW	7952	SILOUX	10 46 17	96 36	962	6P	6P			OTTER TAIL PWR PL
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	U S WEATHER BUREAU	SARLES 23 SW	7952	SILOUX	10 46 16	96 36	960	6P	6P			JOSEPH MEKTER
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	U S FED AVIATION AGENCY	SARLES 24 SW	7952	SILOUX	9 48 55	97 55	990	6P	6P			FELIX A. GASTONGUAY
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	DICKINSON EXP STATION	SARLES 25 SW	7952	SILOUX	11 47 51	98 42	1470	6P	6P			VIRGIL H. JOHNSON
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	THEODOR ISAAK	SARLES 26 SW	7952	SILOUX	8 47 17	101 02	1760	5P	5P			JUDY BORLUG
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	BERNICE SONNENBERG	SARLES 27 SW	7952	SILOUX	1 46 02	101 34	2074	6P	6P			MARY E. KATUS
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	JOE E. EVANS	SARLES 28 SW	7952	SILOUX	8 47 48	103 17	2100	8P	8P			JOA. PETERSON
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	JOHN L. J. HUNTZ	SARLES 29 SW	7952	SILOUX	8 47 47	103 02	2170	6P	6P			THEO. ROOSEVELT NHP
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	JOHN M. ZURCHER	SARLES 30 SW	7952	SILOUX	7 47 36	103 17	1565	5P	5P			HARRY KLINE
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	N D AGRICULTURE EXP STA	SARLES 31 SW	7952	SILOUX	12 48 55	101 01	1508	9P	9P			EDWIN PETERSON
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	WILLIAM E. COLLINS	SARLES 32 SW	7952	SILOUX	8 48 38	103 10	2258	6P	6P			JONATHAN WINKER
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	WILLIAM D. GODDARD	SARLES 33 SW	7952	SILOUX	8 48 09	103 37	1877	MID	MID			U S WEATHER BUREAU
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	WILLIAM D. GODDARD	SARLES 34 SW	7952	SILOUX	8 48 09	103 41	2105	6P	6P			GEORGE KAPUSTA
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	E. F. CARPENTER	SARLES 35 SW	7952	SILOUX	12 48 36	100 17	1471	6P	6P			M. MRS. O. M. SANDERSON
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	JOHN PETRYSZAK	SARLES 36 SW	7952	SILOUX	8 47 09	100 48	2171	6P	6P			EDWIN PETERSON
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	U S WEATHER BUREAU	SARLES 37 SW	7952	SILOUX	8 46 16	99 34	2010	8A	8A			J. M. HELLERUD
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	EMIL E. RUSCH	SARLES 38 SW	7952	SILOUX	5 47 09	99 18	2041	6P	6P			CHESTER W. THOMPSON
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	GEORGE M. SINCLAIR	SARLES 39 SW	7952	SILOUX								
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	THEODORE A. WIRCH	SARLES 40 SW	7952	SILOUX								
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	ART WATERMAN	SARLES 41 SW	7952	SILOUX								
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	SOIL CONSERVATIONIST	SARLES 42 SW	7952	SILOUX								
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	U S WILDLIFE REFUGE	SARLES 43 SW	7952	SILOUX								
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	W. E. LUBIENS	SARLES 44 SW	7952	SILOUX								
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	ALVIN HUMMEL	SARLES 45 SW	7952	SILOUX								
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A						C	ALBERT J. REIERLE	SARLES 46 SW	7952	SILOUX								

1. DRAINAGE CODES: 1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PENNINGTON 10. RED 11. SHERIDAN 12. SIOUX 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

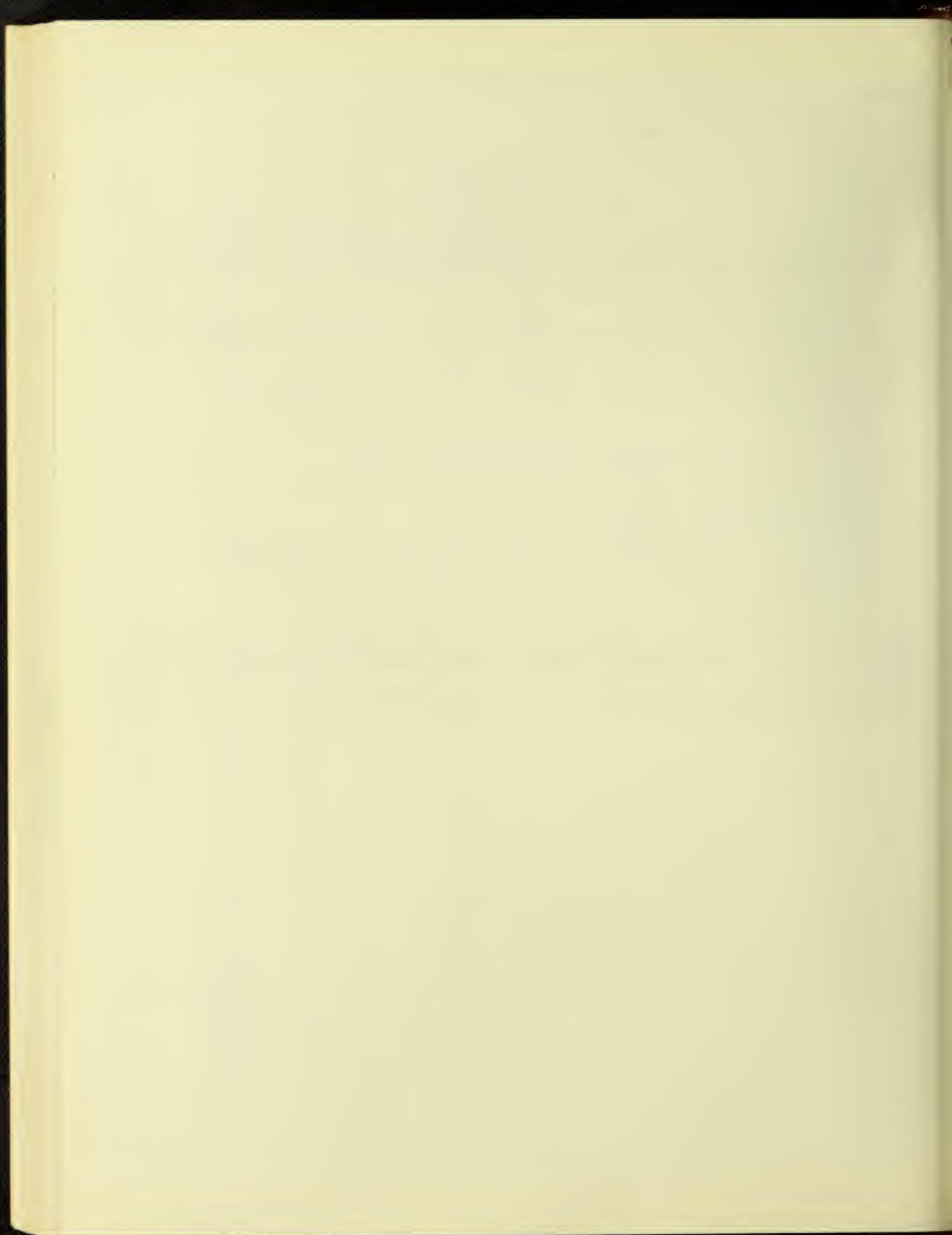
V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

APRIL 1961

Volume 70 No. 4



U.S. DEPARTMENT OF COMMERCE
JUL 19 1961
CLIMATE DIVISION

ASHEVILLE: 1961

NORTH DAKOTA - APRIL 1961

WEATHER SUMMARY

April was an unseasonably cold month in all sections of the state. Precipitation, however, was abundant and the drought was definitely broken. The northeastern portion of the state was the only area to average a little below normal. Higher than average wind speeds were recorded at most stations.

There were two major periods of precipitation. The first occurred during the first week bringing moderate to heavy rain and some snow in a band extending from northwest to southeast across the state. The northeast and the southwest received very little precipitation at this time. The other major period of precipitation occurred from the 20th to the 23d. On the 20th rain overspread the state with a half inch or more covering much of the northern half and from there ranging down to 0.10 inch or so in some southeastern sections. The heaviest precipitation occurred on the 23d and covered the western and southern portions of the state with rain and snow. Snowfall in some sections ranged up to 10 inches or more. The northeastern and north-central parts of the state received none - the line of demarcation running generally from just north of Grand Forks through Devils Lake, Minot, and northwestward. Minor amounts of precipitation occurred on several other days throughout the month.

Brief warming occurred at most places around the 2d to 4th, 8th and 9th, 13th, and the longest period from the 18th to 22d with temperatures in the sixties and seventies or higher. The highest temperature of the month generally occurred on the 18th or 19th. The 86 degrees recorded at Bismarck on the 19th set a new record for that day. For the rest of the month temperatures averaged below normal often by as much as 15 degrees or more.

High winds on the 2d brought severe dust storms to some areas of the southwest. Frequent dust storms were reported during the first half with perhaps the most widespread one on the 13th to the 15th. Some northeastern sections also continued to report some blowing dust near the end of the month. The most disruptive storm was the heavy snow on the 23d. During this storm many roads became heavy or blocked and numerous telephone and power lines were put out of service for periods that ranged up to many hours.

From an agricultural standpoint, the month was generally favorable. Much of the soil moisture was replenished, although the northern portion was just adequate with no reserve supply built up. The cool weather slowed the growth of vegetation considerably.

Carl J. Sanderson
Climatologist
Weather Bureau Airport Station
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 89° on the 19th at Fort Yates

Lowest Temperature: -1° on the 16th at Medora 3 NNE

Greatest Total Precipitation: 3.89 inches at Killdeer 7 NW

Least Total Precipitation: 0.59 inch at Adams 7 S

Greatest one-day Precipitation: 2.08 inches on the 23d at Killdeer 7 NW

Greatest Total Snowfall: 14.0 inches at Steele

Deepest Snow on Ground: 10 inches on the 23d at Two Stations

SUPPLEMENTAL DATA

NORTH DAKOTA
APRIL 1961

Station	Wind direction		Wind speed m p. h.				Relative humidity averages percent				Number of days with precipitation							
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total	Percent of possible sunshine
BISMARCK WB AIRPORT	NW	15	14.9	44	E	23	60	74	47	40	8	4	3	1	0	0	16	75
DEVILS LAKE WB CITY	N	-	11.3	33	NW	26	-	79	56	50	5	4	4	0	0	0	13	62
FARGO WB AIRPORT	N	24	19.1	53	N	16	77	78	58	55	11	4	3	2	0	0	20	49
WILLISTON WB CITY	NW	-	8.6	29	E	23+	-	77	52	47	4	4	5	0	1	0	14	61

CLIMATOLOGICAL DATA

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No of Days			Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No of Days				
										Max	Min	Total					Total	Max Depth on Ground	Date	10 or More	50 or More	100 or More		
NORTHWEST DIVISION																								
BOWBELLS	47.7	22.8	35.3			70	19	10	16	885	0	1	27	0	1.99		.47	4	4.0	3	5	6	0	0
CROSBY	50.8	24.6	37.7	- 2.0	72	18	10	16	812	0	0	25	0	1.09	.30	.68	4	T	T	4	3	1	0	0
FOXHOLM 7 N	50.4M	25.6M	38.0M	- 3.0	72	18	12	17+	804	0	1	22	0	1.57	.38	.68	4	3.0	3	4	4	2	0	0
GRENORA	51.3	23.7	37.5		73	18	6	16	816	0	1	25	0	1.41		.82	23		10	23	3	1	0	0
KENMARE	47.4	21.9	34.7		70	19	10	16	902	0	2	28	0	2.34	1.27	.71	4				6	2	0	0
LOSTWOOD 12 N	48.5	21.9	35.2		70	18	7	17	886	0	1	26	0	2.08		.94	4	10.8	6	4	4	2	0	0
MINOT FAA AIRPORT	48.7	24.9	36.8		71	19	10	16+	838	0	1	26	0	1.81		.78	4	4.0	2	6+	6	1	0	0
MINOT EXP STATION	48.4	24.6	36.5		72	19	10	1	848	0	2	26	0	1.46		.48	4	6.3	3	5	6	0	0	0
MOHALL	48.4M	24.4M	36.4M	- 4.0	66	19	9	1	850	0	1	26	0	1.86	.55	.59	4	2.5	3	4	6	2	0	0
NEWTOWN	50.4	26.0	38.2	- 3.1	69	18	12	17+	796	0	1	24	0	1.77	.56	.62	20	2.0	2	23	5	2	0	0
PARSHALL	50.6	25.1	37.9		72	19	7	17	806	0	1	24	0	1.58	.43	.55	23	1.0			4	2	0	0
PORTAL	47.5	23.9	35.7	- 3.8	69	19	11	16	871	0	2	26	0	1.45	.62	.85	4	3.5	3	5+	3	1	0	0
POWERS LAKE 1 N	46.3M	22.5M	34.4M		69	19	9	16	904	0	3	28	0	1.19		.50	4	3.0	2	24	5	1	0	0
STANLEY	48.0	24.7	36.4		69	18	10	17	850	0	1	23	0	2.88		.96	20	11.0	5	23	7	2	0	0
TIOGA 1 E	47.4	22.9	35.2		70	19	9	16	887	0	1	26	0	1.85				1.5						
WILLISTON WB CITY	49.3	28.0	38.7	- 4.2	70	18	14	16+	781	0	0	21	0	2.39	1.32	1.27	23	11.4	3	24+	6	1	1	0
WILLISTON EXP FARM	50.2	26.1	38.2		71	18	10	15	797	0	1	23	0	1.23		.43	23				5	0	0	0
DIVISION			36.6	- 3.9											1.76	.67	4.6							
NORTH CENTRAL DIVISION																								
BELCOURT INDIAN RES	46.6	22.4	34.5		68	19	2	1	908	0	3	27	0	.90		.40	20	5.0			4	0	0	0
BOTTINEAU	46.6	23.7	35.2	- 4.2	72	20	5	1	889	0	2	26	0	1.07	.11	.28	21	4.0	2	2	4	0	0	0
DRAKE	48.3M	23.8M	36.1M	- 4.5	74	20	10	16+	870	0	2	0	0	1.65	.44	.50	2			6	1	0	0	
GRANVILLE	50.3M	25.3M	37.8M	- 3.8	73	19	10	1	810	0	1	0	0	1.61	.39	.59	4	3.6	1	6+	4	1	0	0
LEEDS	49.3	25.4	37.4		72	20+	8	1	821	0	1	25	0	.90		.42	4	5.5	2	5+	3	0	0	0
MADDOCK AGRI SCHOOL	49.9	25.3	37.6M	- 3.4	77	19	7	1	814	0	1	26	0	1.45	.37	.79	4			3	1	0	0	
ROLLA	45.6	24.5	35.1		69	19	5	1	892	0	2	26	0	.90		.43	20		1	4	4	0	0	0
RUGBY	50.3	26.7	38.5		73	19	10	1	787	0	1	24	0	1.24	.21	.46	20	6.0			4	0	0	0
SAN HAVEN	48.4	24.3	36.4	- 3.0	70	19	4	1	852	0	1	25	0	1.15	.28	.76	20	3.2	T	27+	3	1	0	0
TOWNER	50.5	24.3M	37.4M	- 4.1	73	19	7	1	824	0	0	27	0	1.61	.26		3.0							
UPHAM 3 N	51.5	24.5	38.0		72	19	4	1	803	0	1	24	0	1.25		.46	20	4.0			3	0	0	0
VELVA	51.2	26.7	39.0	- 3.6	72	19	8	1	772	0	1	23	0	1.81	.52	.66	4	1.0	1	6+	4	1	0	0
WESTHOPE	49.3	25.1	37.2	- 3.0	69	19	9	1	825	0	1	25	0	1.04		.33	20	1.0	T	6+	4	0	0	0
WILLOW CITY	51.0	23.8	37.4	- 2.3	73	19	9	1	819	0	1	27	0	1.06	-.01	.73	20	2.6	T	7+	3	1	0	0
DIVISION			37.0	- 3.5											1.26	.13	3.5							
NORTHEAST DIVISION																								
ARVILLA STATE PARK	50.8M	23.8M	37.3M		70	19	6	1	812	0	1	27	0	1.03		.45	20	5.5			3	0	0	0
BISBEE	46.8	24.9	35.9		70	19	7	1	867	0	1	28	0	.86		.30	20	.4	0		4	0	0	0
CAVALIER	47.8	25.5	36.7		69	19	8	1	843	0	1	26	0	.92		.63	20	1.2	T	27+	3	1	0	0
DEVILS LAKE WB CITY	45.5	25.8	35.7	- 4.3	72	19	7	1	871	0	4	24	0	1.27	-.17	.46	20	5.4	3	6+	4	0	0	0
EDMORE 1 N	46.6	23.5M	35.1M		70	19	5	1	888	0	3	28	0	.75		.57	20		1	2	1	1	0	0
GRAFTON	48.9	25.7	37.3	- 4.3	70	19	7	1	824	0	2	25	0	.72	-.74	.51	20				2	1	0	0
GRAND FORKS FAA AIRPORT	46.6	28.0	37.3		69	19	11	1	824	0	3	23	0	1.11		.27	20	.7	T	24+	4	0	0	0
GRAND FORKS UNIVERSITY	47.4	27.4	37.4	- 3.9	69	19	10	1	820	0	3	23	0	1.56	.05	.38	20	1.0	T	5+	6	0	0	0
HANNAH	45.6	23.3	34.5		69	19	4	1	907	0	3	27	0	1.16	.07	.53	20	3.3	2	27	4	1	0	0
HANSBORO																								
LANGDON EXP FARM	47.7	22.4	35.1	- 3.6	68	20+	3	1	891	0	2	28	0	.81	-.48	.54	20	2.0	1	27	2	1	0	0
LARIMORE	47.7	25.8M	36.8M	- 4.0	70	19	8	1	844	0	1	25	0	1.24	-.13	.47	24					4	0	0
MC VILLE	47.1	24.3	35.7		73	19	7	7+	870	0	4	25	0	1.51		.39	4	9.0	4	4	5	0	0	0
MUNICH 4 SW	46.7	23.9	35.3		69	19	5	1	885	0	4	27	0	.78		.34	20	T	T	4+	3	0	0	0
PARK RIVER	49.4	25.3	37.4		70	19	7	1	823	0	1	26	0	.72	-.60	.60	20	T	0		1	1	0	0
PEMBINA	48.7	24.9	36.8	- 2.7	70	19	8	1	839	0	2	26	0	.90	-.31	.62	20	2.2			2	1	0	0
PETERSBURG	46.0	24.4	35.2		70	19	6	1	886	0	4	28	0	.91	-.22	.44	20	3.9	2	5+	2	0	0	0
DIVISION			36.2	- 3.7											1.02	-.25	2.7							
WEST CENTRAL DIVISION																								
BEULAH	52.8	26.6	39.7		78	19	9	17	753	0	0	25	0	1.94		1.03	23				2	2	1	0
BUTTE	47.6	25.2	36.4		74	20	6	1	853	0	1	26	0	1.74		.42	.4				5	0	0	0
CENTER	51.6	25.5	38.6		78	19	10	16+	789	0	0	25	0	1.92		.97	23	5.0	4	23	6	1	0	0
DUNN CENTER 2 SW	47.4	26.5	37.0	- 3.8	72	19	13	17+	834	0	1	26	0	2.55	1.29	1.02	24	11.0	9	24	6	2	1	0
GARRISON	48.1	25.8	37.0	- 4.6	76	20	13	17	835	0	0	25	0				6.4	3	24					
KEENE 2 S	49.8	24.1	37.0		74	18	6	16	837	0	0	24	0	1.91		.81	23	13.0	10	23	4	2	0	0
MAX	47.4	24.6	36.0	- 4.2	73	20	12	16+	865	0	1	27	0	1.95	.70	.41	23	3.5	2	24	8	0	0	0
RAUB 10 SSW	50.2	27.7	39.0		71	19	14	16	773	0	0	22	0	1.77		.98	23	6.0			5	1	0	0
RIVERDALE	47.2	25.3	36.3		70	20	11	16	855	0	1	27	0	2.06		.61	24	4.0	3	24	7	1	0	0

CLIMATOLOGICAL DATA

Continued

NORTH DAKOTA
APRIL 1961

Station	Temperature												Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max		Min.						Total	Max Depth on Ground	Date	10 or More	30 or More	100 or More
										90° or Above	32° or Below	32° or Below	0° or Below										
TURTLE LAKE	52.2	26.4M	39.3M		77	19	12	16	766	0	1	25	0	1.96		.73	23				5	2	0
UNDERWOOD 4 ESE	49.4	25.1	37.3		75	19	11	16+	825	0	1	27	0	1.55		.58	23	2.5	2	23	4	1	0
WASHBURN																							
WATFORD CITY	51.6M	25.6M	38.6M	- 4.4	70	19	12	17	790	0	0	0	0	1.39	.06	.69	23				3	1	0
WATFORD CITY 14 S	53.2	26.3	39.8		73	18	9	17	752	0	0	22	0	2.35		1.46	23		4	23	3	1	1
WILTON	50.7	23.7	37.2		80	19	8	16+	827	0	2	27	0	2.39		.85	23	5.0			7	2	0
DIVISION			37.8	- 4.0										1.96	.66			6.3					
CENTRAL DIVISION																							
CARRINGTON	46.5	24.5	35.5	- 4.6	80	20	10	2+	879	0	2	24	0	2.63	1.23	.95	24	10.0	4	24	6	1	0
FESSENDEN	51.5	25.8	38.7	- 2.5	82	19	8	1	784	0	1	25	0	2.12	.78	.53	4	4.0	3	24	5	2	0
JAMESTOWN FAA AIRPORT	48.0	26.6	37.3		80	19	12	1	824	0	2	25	0	1.55		.71	23	4.0	2	24	4	1	0
JAMESTOWN STATE HOSP	48.9	27.0	38.0	- 4.3	78	19	12	1	803	0	2	25	0	2.13	.49			4.5					
KENSAL WILDLIFE REFUGE	50.7	24.9	37.8		78	20	9	1	809	0	2	27	0	2.74		.86	4				6	2	0
MC CLUSKY	50.5	24.9	37.7	- 4.1	77	19	8	1	811	0	2	27	0	2.18	.69	.82	23	2.3	1	23	5	3	0
MC HENRY 5 N	47.9	23.3	35.6		76	19	6	1	875	0	3	28	0	1.70		.53	4	6.8	4	4	5	1	0
PETTIBONE	48.9	23.3	36.1	- 5.1	80	19	8	1	858	0	2	28	0	2.25	.86	.74	20		1	23+	4	2	0
STEELE	51.9	25.6	38.8	- 3.0	85	19	9	1	780	0	2	28	0	2.02	.70	1.18	23	14.0	7	23	4	1	1
DIVISION			37.3	- 4.0										2.15	.75			6.5					
EAST CENTRAL DIVISION																							
AMENIA	49.9	27.7	38.8		75	19	11	1	777	0	1	22	0	2.04		.85	4	T	T	5+	4	1	0
COOPERSTOWN	48.6M	24.5M	36.6M		74	19	8	1	859	0	2	27	0	1.91	.74	.78	4	6	5+	6	1	0	
FARGO WB AIRPORT	48.1	27.4	37.8	- 4.3	72	19	12	1	811	0	2	23	0	2.27	.39	.84	4	2.8	1	5+	5	2	0
HILLSBORO	49.7	27.2	38.5	- 3.7	70	19	10	1	787	0	2	24	0	1.83	.13	.72	24	3.0	0		6	1	0
MAYVILLE	48.6	27.2	37.9	- 4.5	70	19	10	1	808	0	4	24	0	2.37	1.10	.94	24	4.2	1	5+	5	2	0
SHARON	45.6M	24.2M	34.9M	- 5.6			8	1	895	0	3	27	0	2.16	.72	.70	4	8.5	6	5+	6	1	0
VALLEY CITY	49.1	28.6	38.9	- 4.5	80	19	12	1	778	0	2	22	0	2.56	1.14	.90	23				5	2	0
DIVISION			37.6	- 4.3										2.16	.74			3.7					
SOUTHWEST DIVISION																							
AMIOON	49.6M	27.4M	38.5M						781	0	0	22	0	1.88		1.07	23	1.0			3	2	1
BEACH	48.7	24.4	36.6		73	19	10	16	846	0	1	26	0	1.25		.57	23	4.0	1	5	3	1	0
BELFIELD	48.9M	25.7M	37.3M				8	17	821	0	0	23	0	2.35		1.16	23				4	2	1
BOWMAN COURT HOUSE	50.8M	25.5M	38.2M	- 4.5	73	19	9	15	814	0	0		0	1.44		.73	22				3	1	0
DICKINSON FAA AIRPORT	50.1	25.5	37.8		73	19	9	16	808	0	0	26	0	1.85		1.02	23	2.6	2	24	4	1	1
DICKINSON EXP STATION	49.3	24.7	37.0	- 4.3	72	20+	5	17	833	0	0	26	0	1.89	.53	.90	23				5	2	0
FAIRFIELD	48.2	24.2	36.2		71	18	9	16+	856	0	0	26	0	2.12		1.20	23	6.0	5	23	3	2	1
HETTINGER	51.9M	25.4M	38.7M	- 4.8	80	19	8	16	782	0	0	26	0	1.45	.20	.88	23				3	1	0
MARMARTH	52.3	26.4	39.4	- 5.0	75	19	8	16	763	0	0	21	0	1.11	-.01	.43	20				3	0	0
MEORA 3 NNE	52.6M	21.2	36.9M				-	1	866	0	0	26	2	2.05		1.20	23		3	23	3	2	1
MOTT	52.4	23.5	38.0	- 5.5	81	19	5	17+	804	0	0	27	0	1.15	.08	.66	23		T	23	2	1	0
NEW ENGLAND	51.3	25.5	38.4	- 4.6	74	19	8	17+	788	0	0	27	0	1.76	.25	1.20	23				4	1	1
RICHAOTON ABBEY	50.7	26.4	38.6	- 4.1	73	19	12	16	786	0	0	25	0	1.83	.37	.95	23	7.5	6	24+	4	1	0
TROTTERS 3 S	50.6	26.2	38.4		75	18	10	16	790	0	0	24	0	1.31		.79	23	2.3	1	23+	3	1	0
DIVISION			37.9	- 4.9										1.67	.34			3.9					
SOUTH CENTRAL DIVISION																							
ALMONT 7 SW	50.9	27.4	39.2		82	19	11	16	770	0	0	23	0	1.86		.92	23	8.0	7	23	4	1	0
BISMARCK WB AIRPORT	51.7	28.9	40.3	- 2.8	86	19	14	1	733	0	0	21	0	1.70	.31	.76	23	6.5	3	24+	4	1	0
BREIEN	54.1	25.2M	39.7M		87	19	10	1	760	0	0	26	0	1.38		.97	23	6.0	6	23	2	1	0
CARSON	50.4	24.3	37.4	- 5.4	84	20	3	16	823	0	0	25	0	1.66	.25	.80	24	3.0			4	1	0
FORT YATES	56.2M	28.3M	42.3M	- 2.6	89	19			687	0	0	25	0										
LINTON	54.0				87	19	6	16		0	0		0	1.81	.45	.62	23		T	23+	6	1	0
MANOAN EXP STATION	49.4	26.2	37.8	- 5.1	82	20	12	1	809	0	0	25	0	1.68	.26	.78	24	5.0	3	24	3	1	0
MANOAN FT LINCOLN PARK	54.6	23.8	39.2		87	19	7	1	770	0	0	26	0	2.32		1.19	23	2.0	2	23	5	2	1
MOFFIT 4 SE	53.0M	25.8M	39.4M		88	19			771	0	0		0	1.86				3.0	1	24			
NEW SALEM 1 SE	50.1	26.5	38.3	- 4.3	80	19	12	16	794	0	0	25	0	1.55	.26	.76	23	4.0	4	23	4	1	0
DIVISION			39.3	- 4.2										1.76	.44			4.2					
SOUTHEAST DIVISION																							
ASHLEY	50.9	25.0	38.0	- 4.0	83	19	11	1	803	0	2	27	0	1.40	.14	.75	23	3.5	0		5	1	0
EDGELEY EXP FARM	48.7	26.6	37.7	- 5.0	82	20	12	2+	815	0	0	24	0	1.74	.21	.73	24	4.0	3	24	4	1	0
ELLENOALE	52.3	27.2	39.8	- 3.7	83	19	13	1	749	0	0	24	0	1.43	-.51	.83	23	1.5			4	1	0
ENOERLIN	47.8	26.5	37.2		80	20	10	1	831	0	0	24	0	2.24		.95	24				7	1	0
FORMAN	50.4M	27.6	39.0M		77	19	12	1	776	0	0	23	0	1.49	-.42	1.02	23				3	1	1
FULLERTON	50.5	26.3	38.4	- 5.3	83	19	11	1	792	0	0	27	0	1.47	-.68	.75	23	4.0	3	2	4	1	0
GACKLE	49.3	25.6	37.5		81	19	10	1	819	0	0	27	0	2.57		.90	24	5.0	5	23	5	2	0
GRAND RAPIDS 1 N	52.3	26.3	39.3		84	19	12	12+	765	0	0	27	0	2.06		1.14	23	6.5	4	2	5	1	1
HANKINSON R R STATION	47.8	25.9M	36.9M	- 6.1	77	20	12	2+	844	0	1	25	0	2.19	.30	1.17	24	1.0			4	1	1
LISBON	52.8	26.6	39.7	- 2.7	84	19	10	12	753	0	0	27	0	1.95	.0								

DAILY PRECIPITATION

NORTH DAKOTA
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Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERDEEN	2.10	T		T	T	.29	.01								.33	.15		.01				.25	T	1.05				.01		.06			
ADAMS T S	.59		.03		.02						.05										.48												
ALEXANDER 2 SW	1.87	.10			.23					.17	T			.05							.54			.71		.07							
ALMONT T SW	1.86		.08		.15	T				.05	.07	T									.45			.92		.14		T					
AMBROSE 1 N	.88				.57										.0A								.20		.0A	.03	T						
AMENIA	2.04				.85	.05										.25					.07			.31	.35		.09	.04					
AMIDOW	1.88	.03			.05	T					T	T									.52			1.07	.04	.15							
ARVILLA STATE PARK	1.03				.27	T					T										.45				.31								
ASHLEY	1.40		.21		.03				.01			.10			T						.16			.75	.14					.0			
BALTA	1.41		.25		.65																.41			.05									
BEACH	1.25		T		T	.09	.03				T	.02	.02								.35			.57	.11			.06	T	T			
BELCOURT INDIAN RES	.90		.18		.10	T											T				.40						.15	.07					
BELFIELD	2.15				.26	.03					T	T									.64	.08	T	1.16	.05	.17							
BERTHOLO	2.19		.1A		.79	.02				.08	.01				.11						.68				.30				.05	.01			
BEULAH	1.94		.08	.01	.07					.02											.66			1.03	.07	T	T						
BISBEE	.86		.13		.15																.30						.28	T					
BISMARCK WB AIRPORT	//R 1.70		.17	.01	.14	T			T	.06	T										.48			.76	T	.07	T	.01					
BISMARCK 12 ENE	1.48		.13	T		.08															.16	.21			.90								
BOTTINEAU	1.07		.20	T	.07	T					.05					.04					.27	.23	.01		.09	T	.12	.07	.01				
BOUGWILLS	1.99		.28	T	.47	.36					.26				.02	.12					.39												
BONMAN COURT HOUSE	1.44	T		.09	.02	T					.01	T									.43		.73	.14	.03								
BONMAN 13 SE	1.12		T	.05	.06	T	.01				T	.01									.25		.05	.85	.01	.02							
BRIEF	1.38				.02	T			T	T											.33						.97	.03					
BUTTE	1.74		.12	.05	.42	.36	T														.06	.39		.08	.30								
CARRINGTON	2.63		T	.31	.46	.40					T	.01									.33				.95	.13	T		.04				
CARSON	1.66			.02	.04	.05					.06										.34	.0		.23	.80		.10						
CAVALIER	.92		T								.14			T	T						.63												
CENTER	1.92		.10		.12	T					.17										.45						.11	T					
COLGATE	1.89		.05		.51	.02					.04	T									.34			.37	.39		.10			.01	.01		
COLUMBUS	1.29		.08		.71	.01					.21			.04	.04						.03			T	.04	.04	.09						
COOPERSTOWN	1.91		.15	T	.78	T				T											.35			.16	.30	T	.15	.07	T	T			
COURTENAY	2.01		.10		.80																.27			.58	.13		.09	.0					
CROSBY	1.09		.08		.68					.05														.14			.14						
DEVILS LAKE WB CITY	R 1.27		.18		.35	T	T				.09					.01					.46			T			.10	T	.07				
DICKINSON FAA AIRPORT	//R 1.85	.0A	.02	.02	.10	T	T			.02	T									T	.29		.21	1.02		.07	.06						
DICKINSON EXP STATION	1.89		.10	T	.05	.10	T				.03	T		T	T						.15			.90	.50		.06	T	T				
DONNYBROOK	2.12		.20		.79					.13	.05			.23							.60			.06	T	.06							
ORAKE	1.65		.50	T	.30	.18															.13	.47			.10				.02				
DUNN CENTER 2 SW	2.55		.10		.02	.11					.23	T									.46						.05	T					
ECKMAN 2 SE	1.30		.08	.16	.48	.16					T	.06	.03								.11	.17						.0					
EDGELEY EXP FARM	1.74		.02	.36	.17	.07							.03									.0		.24	.73		.02		.01				
EDMORE 1 N	.75		.07	T	.06	T	T														.57						T	.0			.01		
ELLERDALE	1.43		.26		.16	T			T			.02	.01								.04			.83	.13	T	T						
ENDERLIN	2.24		.16		.32	.35									.14									.10	.95		.03	T					
EPHING	2.01		.02	T	.24	.03	T			.10				.13							.23			.90	.10	.26							
FAIRFIELD	2.12		T	T	.10	T	T			.07	.05			T							.65		T	1.20	T	.05	T						
FARGO WB AIRPORT	//R 2.27	T	T		.84	.01	T				.05			.12	.30	T	T	T			.07			.66	.14	T	.06	.07	T	T			
FESSENDEN	2.12		.50		.53																.42												
FLASHER	1.68		.05		.08	.02															.33	.1		.14	.73		.11						
FORBES 13 NW	1.58		.23	T					.12			T		T							.12			.94	.14		.03						
FORMAN	1.49		.20		.22									T	T																		
FORT YATES																					.29			.69	.12	T							
FOXHOLM 7 N	1.57		.19		.68	T				T	T	.04									.55			.03	T		T						
FULLERTON	1.47		.30		.15																.05			.75	.20		.02						
GACKLE	2.57		.34		.31									.01							.44				.54	.90		.03					
GARRISON					T	.27	T				T				.08						.34			.40	.64	T	T						
GOLDEN VALLEY 10 S	1.98		.06		.10	T	.11			.17											.39			1.10	.03	T	T	.02					
GRAFTON	.72				.02	T															.10			.51			T	.09					
GRAND FORKS FAA AIRPORT	R 1.11	T			.2.																												

DAILY PRECIPITATION

NORTH DAKOTA
APRIL 1961

Continued

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
POWERS LAKE 1 N	1.19				.50	.10					.12			T							.25				.17	.05						
PRETTY ROCK	1.23		.04		.13		T		T		.14			T							.23				.60	.06	T		.03			
RAUB 10 SSW	1.77				.10						.20			.12							.37				.98							
REEDER	1.47				.18																.36				.84	.06						
REEDER 14 N	1.17				.02	.11					.09	T									.29				.57	.09			T			
RICHARDTON ABBEY	1.83		.11		.20	.04	T			.06	.02	T		T							.33		T	.95	.02	.07	.03	T				
RIVERDALE	//	2.06	.07	T	.14	.10	T			.22				T							.18	.38		.31	.61					.05		
ROLLA	.90		.15		.07									T		T					.43							.14	.11		T	
RUGBY	1.24		.20		.45					.09										T	.46							T	.13			
RYDER	1.86		.13		.29	T	T							.07							.66			.62	T	T	T	T				
SAN HAVEN	1.15		.13		.04	T															.76								.14	.08		
SELFREDGE 5 W	1.13			.02		.10															.29				.37	.35						
SENTINEL BUTTE 20 S	1.65				.07						.05										.60				.88	.10		T				
SHARON	2.16		.10		.70	.05				.06	.01			.06	T						.46			.30	.25	.20	.05					
SHERWOOD 3 N	1.26		.22		.36					.06	.01										.51						.01	.03				
SHIELDS	1.09		.08		.06																.33			.62								
STANLEY	2.88		.13		.77					.22	.06			.19							.96				.36		.18		.01			
STEELE	2.02		.12		.11	.05			T												.48			1.18	.03	.05						
SYKESTON	2.51		.30	.07	.58	.16															T	.60		.73				.07	T			
TAGUS	1.98		.15		.72					.13				.11							.52			.25		.10						
TIOGA 1 E	1.85				.45	.05					.31			T	.02						.18				.75	T	.09		T			
TOWNER	1.61		*		.77						T										.67							.17				
TROTTERS 3 S	1.31		T		.15	T	T			.01	.02			.01							.31			.79	T	.01	T		.01			
TURTLE LAKE	1.96		.12		.34						.07										.53			.73	.12				.09	T		
TUTTLE	2.28		.16	.26	.10	T				T	T										.57	T		1.12	T		.07	T				
UNOERWOOD 4 ESE	1.55		.11		.33						.07										.44			.58	.02							
UPHAM 3 N	1.25		.20	.06	.34	T					.06			.02							.46							.05	.06			
VALLEY CITY	2.56		.25		.67	.02					.02			T		.02	T				.19			.90	.42	.02	.03	.02				
VELVA	1.81		.39		.66	T	T				T			.07							.39			.23	T			.02	.05			
VERONA	1.39		.16		T										T							.25		.98								
WAHPETON	2.37				.23		.05							.57		.10		.07			.34			.84	.08			.09				
WALHALLA	.90										T										.72							.11	.07			
WARWICK	1.53		.15		.49	T															.57					.12		.15	.05			
WASHBURN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WATAUGA 5 DAKOTA 8 N	1.25		T	T	.04						T										.21			.91	.09							
WATFORD CITY	1.39		.05	.04	.22	.04				.05				T							.30					T	.06					
WATFORD CITY 14 S	2.35		.09		.18	.02				.03	.01			.02							.43			.01	1.46	.02	.06	.02				
WESTHOPE	1.04		.15		.29	T				.14			T	.07							.33	T					.02				.04	
WILOROSE	1.66		.10	.03	.70					.10				.07							.08			.48								
WILLISTON WB CITY	//R	2.39	.01		.06	.23	T			.18	T			.03							.12	.30		.03	1.27	.16	T	T				
WILLISTON EXP FARM	1.23				.22	T				.18											.21						.16					
WILLOW CITY	1.06		.15		.14															T	.60									.03	.01	
WILTON	2.39		.11		.12					.34	.02				.02						.12					.85	.16		.15	.02		
WISHEK	01.38		.06	.25	.03	.08						0.10														.11	.45		.10			
WOODWORTH	2.27		.42		.63	T															.30	.20										

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	49	60	59	49	34	34	48	55	54	40	47	54	58	45	34	43	54	71	82	60	60	61	51	39	50	41	35	52	55	54	50.5	
	MIN	12	35	33	28	26	22	22	30	30	27	20	26	15	25	14	11	15	39	46	39	30	33	30	29	28	25	23	27	31	30	27.4	
AMENIA	MAX	34	39	55	52	33	32	42	43	50	46	34	51	51	49	40	42	52	62	75	71	63	62	58	47	57	54	44	48	58	56	49.9	
	MIN	11	17	30	32	21	19	18	30	27	26	21	18	26	31	20	23	40	33	42	40	33	37	32	35	33	32	28	28	34	31	27.7	
AMIDON	MAX	45	50	57	55	37	35	37	52	54	24	24	48	59	56	36	37	38	57	74	54	56	57	43	33	31	37	21	27	24	48	56	49.6
	MIN	16	35	37	33	23	25	23	28	29	24	24	20	33	33	11	13	31	34	39	27	31	37	32	33	31	27	26	22	36	32	27.4	
ARVILLA STATE PARK	MAX	38	53	47	40	45	53	45	36	52	45	36	52	42	44	40	35	52	64	70	67	66	62	50	55	59	52	40	54	58	50	50.8	
	MIN	6	10	28	25	19	16	12	25	27	24	15	19	27	18	18	20	24	41	37	34	31	31	30	26	27	26	22	50	22	23.8		
ASMLEY	MAX	39	50	57	52	31	32	45	49	45	45	43	50	58	51	35	40	53	62	83	80	60	66	61	38	53	52	41	53	56	48	50.9	
	MIN	11	25	26	27	23	21	12	26	22	26	21	16	32	25	16	13	18	31	41	40	31	31	30	26	22	24	20	36	26	24.5		
BEACH	MAX	45	55	61	61	35	35	37	47	52	51	31	49	61	57	38	35	41	60	73	61	52	58	57	33	41	52	39	38	50	55	48.7	
	MIN	15	21	28	30	20	18	20	22	30	25	19	25	35	21	15	10	11	27	38	38	27	24	32	29	29	21	21	24	27	28	24.4	
BELCOURT INDIAN RES	MAX	34	41	51	45	26	31	41	51	49	45	38	52	50	44	32	34	48	63	68	67	58	53	50	51	51	48	33	48	52	43	46.6	
	MIN	2	23	30	26	17	12	15	25	27	18	11	18	33	20	16	13	18	30	38	33	26	31	30	26	25	21	24	17	30	18	22.4	
BELFIELD	MAX	56	58	60	44	37	41	55	53	40	41	49	57	58	40	39	43	53	70	56	55	57	36	42	51	39	36	51	39	41	48	48.9	
	MIN	15	29	21	24	20	24	23	29	23	19	30	33	24	19	10	8	34	44	38	33	36	28	29	30	24	19	24	27	29	25.7		
BEULAM	MAX	52	62	60	52	35	38	53	58	59	41	49	59	61	50	36	42	58	73	78	63	61	61	54	42	47	45	38	52	54	51	52.8	
	MIN	13	32	32	30	28	21	18	28	32	27	22	27	39	27	16	11	9	35	38	39	31	29	29	25	22	24	27	26	24	21	26.6	
BISBEE	MAX	34	35	52	47	28	34	41	51	50	39	38	51	47	45	33	38	50	64	70	65	56	54	50	50	55	48	34	50	55	39	46.8	
	MIN	7	25	29	28	19	17	20	28	24	17	20	28	32	24	19	16	21	28	38	37	32	28	32	28	28	24	26	22	28	22	24.9	
BISMARCK WB AIRPORT	MAX	46	61	60	48	35	36	49	55	54	44	46	56	58	44	37	43	54	70	86	58	63	64	51	42	52	40	38	54	57	51	51.7	
	MIN	14	34	34	32	28	21	17	32	30	32	28	25	37	29	19	17	18	35	45	39	36	29	34	34	30	29	27	25	29	28	28.9	
BOTTINEAU	MAX	33	36	52	55	32	39	37	46	54	52	34	42	54	50	38	33	39	51	67	72	54	56	55	45	54	52	37	35	50	55	46.6	
	MIN	5	15	29	32	18	20	15	28	20	20	14	22	33	21	15	12	17	29	39	41	29	30	35	30	24	20	23	17	25	22	23.7	
BOWBELLS	MAX	37	51	58	53	33	30	36	46	52	49	34	49	54	53	36	35	41	53	70	63	56	57	55	39	55	47	37	43	52	56	47.7	
	MIN	12	22	29	29	15	15	18	27	32	19	16	25	35	20	12	10	12	19	35	38	31	24	29	24	29	20	18	21	25	22	22.8	
BOWMAN COURT HOUSE	MAX	54	60	60	48	37	40	48	52	50	34	48	60	57	38	35	41	60	72	73	56	58	58	44	41	54	40	39	52	56	57	50.8	
	MIN	29	33	23	24	17	23	28	22	23	48	33	33	23	13	9	12	39	28	32	38	29	28	23	23	21	30	35	25	25.5			
BREIEN	MAX	49	63	60	57	36	36	50	54	54	47	46	56	58	56	37	42	55	73	87	76	64	64	58	40	54	45	41	55	58	53	54.1	
	MIN	10	28	28	30	20	25	13	29	25	24	27	15	24	20	16	11	13	35	36	42	28	23	32	24	28	27	24	25	31	29	25.2	
BUTTE	MAX	35	42	51	56	33	29	33	43	56	53	40	45	56	53	40	34	38	52	68	74	55	59	55	40	51	50	38	37	54	57	47.6	
	MIN	6	14	31	32	23	22	20	25	32	27	22	24	33	23	15	12	14	23	41	42	31	32	33	24	29	25	26	20	31	23	25.2	
CARRINGTON	MAX	34	36	36	53	34	28	30	46	55	51	39	40	54	53	42	37	39	52	65	80	51	60	58	38	48	50	40	37	52	56	46.5	
	MIN	10	10	21	30	20	16	15	20	26	33	20	20	25	27	18	18	20	22	34	44	33	31	35	31	30	25	23	24	26	24	24.5	
CARSON	MAX	43	51	61	60	42	35	36	50	54	58	39	45	50	59	42	36	41	53	72	84	55	61	64	38	39	52	39	42	54	57	50.4	
	MIN	7	20	25	36	27	24	20	26	27	26	25	25	28	25	13	3	6	20	40	40	29	33	37	30	24	23	21	20	23	26	24.3	
CAVALIER	MAX	28	35	51	43	33	37	53	55	54	48	33	51	47	40	33	36	52	62	69	65	59	55	55	55	50	39	50	54	42	47.8		
	MIN	8	19	31	29	18	17	17	28	28	22	12	15	26	26	17	19	28	28	42	40	32	37	30	30	29	27	28	26	34	23	25.5	
CENTER	MAX	48	59	59	55	36	35	49	56	55	48	46	56	58	48	34	40	55	69	78	66	59	60	55	40	47	45	37	50	54	50	51.6	
	MIN	10	34	30	29	25	23	15	26	25	27	20	20	28	24	14	10	13	27	46	38	33	25	32	30	29	24	20	25	27	25	25.5	
COOPERSTOWN	MAX	33	35	52	49	29	30	41	50	49	46	36	50	49	47	40	41	53	62	74	71	60	58	55	49	55	49	39	52	55	48.6		
	MIN	8	21	25	28	19	13	11	26	27	29	19	19	31	28	17	19	22	30	36	33	32	32	29	29	26	24	24	29	24.5			
CROSBY	MAX	53	58	57	53	33	36	48	51	55	49	49	59	57	38	35	41	54	72	64	57	58	56	52	52	47	36						

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX MIN	38 15	47 25	55 30	64 27	34 22	33	35 18	47 22	52 25	55 27	33 15	45 22	53 29	55 23	38 16	35 15	40 13	53 26	69 37	76 40	56 33	57 30	64 32	41 27	44 34	47 27	39 22	39 26	50 30	49 31	48.1 25.8	
GRAFTON	MAX MIN	28 7	39 19	51 30	49 30	33 20	33 18	46 15	52 30	52 28	50 23	34 14	51 15	29 29	41 27	32 19	37 20	51 25	61 26	70 42	68 40	60 33	59 32	55 33	57 33	55 27	42 27	57 25	49 27	51 25	55 30	49 25	48.9 25.7
GRANO FORKS FAA AIRPORT	MAX MIN	29 11	40 21	51 32	36 27	31 22	35 20	42 19	50 31	51 30	36 24	36 20	51 19	46 30	38 28	29 21	39 22	53 28	61 29	69 45	61 38	60 36	57 36	48 35	56 36	57 33	44 32	39 32	51 28	57 34	44 26	46.6 28.0	
GRANO FORKS UNIVERSITY	MAX MIN	28 10	40 20	51 31	43 32	32 21	34 19	42 19	50 30	50 32	45 25	35 18	50 17	45 31	42 29	30 20	37 20	52 26	60 29	69 44	63 41	62 34	56 33	51 36	56 33	58 33	51 30	39 28	52 26	56 31	43 25	47.4 27.4	
GRANO RAPIOS 1 N	MAX MIN	37 12	37 20	54 20	47 30	32 26	32 22	49 14	54 26	52 22	47 34	37 23	56 12	58 31	51 31	44 20	43 20	54 24	70 27	84 45	82 42	63 29	67 32	57 32	43 32	54 28	50 28	42 23	55 29	61 29	57 25	52.3 26.3	
GRANVILLE	MAX MIN	40 10	55 31	57 31	48 30	30 21	33 23	48 18	57 30	52 32	44 25	47 19	55 26	55 38	43 24	44 15	41 13	54 15	72 30	73 40													50.3 25.3
GRENORA	MAX MIN	55 16	59 36	55 24	47 28	32 23	39 17	50 23	53 23	54 39	49 17	51 15	64 32	60 37	40 19	37 9	43 6	59 15	73 31	62 35	57 36	60 21	59 23	54 30	46 22	40 19	39 16	49 22	56 24	54 25	51.3 23.7		
HANKINSON R R STATION	MAX MIN	37 12	37 12	38	53	50	36	35	38	48	49	51	40	51	50	37	32	42	49	58	77	51	61	67	45	42	58	47	45	51	59	47.8 25.9	
HANNAH	MAX MIN	29 4	34 22	47 28	41 24	29 15	32 14	42 17	52 26	51 26	43 22	35 10	51 19	44 33	39 25	35 17	49 14	63 18	69 30	66 40	55 38	53 40	48 29	52 27	53 28	48 23	35 23	46 20	54 28	39 20	45.6 23.3		
HANSBORO	MAX MIN																																
HETTINGER	MAX MIN	55 12	61 39	61 29	46 29	40 22	38 22	47 20	56 26	54 28		46 24	54 27	60 31	40 17	37 12	41 8	55 14	74 34	80 42	56 37	60 28	62 31	44 30	40 27	55 29	39 22	41 19	53 28	54 32	55 25	51.9 25.4	
HILLSBORO	MAX MIN	31 10	40 18	54 31	52 29	33 21	34 19	43 17	50 29	54 29	47 29	34 22	51 15	48 25	48 30	30 20	40 20	52 27	61 30	70 41	66 42	63 34	61 35	58 35	51 32	57 34	55 28	42 28	53 32	57 25	49.7 27.2		
JAMESTOWN FAA AIRPORT	MAX MIN	36 12	34 25	54 25	39 26	30 23	31 20	45 17	52 27	49 26	40 28	38 22	53 17	54 28	44 34	39 19	41 22	65 54	80 43	60 38	62 35	63 34	46 31	47 32	52 28	40 27	41 25	52 28	56 30	48 25	48.0 26.6		
JAMESTOWN STATE HOSP	MAX MIN	34 12	33 24	51 25	47 24	31 23	30 18	46 16	51 24	49 26	43 32	37 23	52 19	56 34	50 29	37 20	40 22	61 32	78 43	75 40	61 35	59 33	53 32	47 32	51 31	46 28	37 26	51 28	56 31	52 27	48.9 27.0		
KEENE 2 S	MAX MIN	54 13	61 39	53 29	46 28	42 24	38 16	49 20	52 26	52 34	54 20	48 14	60 31	52 34	38 20	36 8	42 6	58 13	74 36	63 35	55 36	58 29	57 27	45 29	36 20	38 24	41 21	48 26	53 24	54 25	49.8 24.1		
KENMARE	MAX MIN	32 11	50 15	58 30	55 30	34 12	30 16	37 12	48 25	52 30	50 18	34 15	48 19	53 31	52 20	36 12	35 10	40 12	52 52	70 35	64 67	55 32	57 25	55 30	44 29	54 29	47 21	36 20	43 22	50 26	55 22	47.4 21.9	
KENSAL WILDLIFE REFUGE	MAX MIN	41 9	35 19	55 23	54 30	31 20	31 15	46 14	53 26	48 23	46 31	39 20	51 16	52 33	52 27	43 17	41 17	53 20	65 77	78 48	62 38	61 30	50 32	49 31	48 24	54 23	54 24	53 26	58 28	55 24	50.7 24.9		
LANGOON EXP FARM	MAX MIN	32 3	33 18	50 26	48 27	32 15	36 12	43 15	50 27	48 28	45 27	37 8	49 18	48 29	42 24	40 15	41 14	51 17	62 29	68 38	68 35	55 29	56 29	55 28	54 25	53 22	50 24	36 19	48 28	54 27	46 17	47.7 22.4	
LARIMORE	MAX MIN	35 8	37 19	53 30	48 28	33 19	35 16	35 15	49 49	49 45	45 25	35 16	50 16	46 30	42 28	32 18	42 19	52 25	60 42	62 38	61 34	58 38	51 34	53 32	59 30	46 28	40 26	54 24	55 31	43 24	47.7 25.8		
LEEOS	MAX MIN	35 8	37 25	55 28	52 27	29 20	35 15	42 20	53 30	51 31	47 27	40 19	53 23	49 35	49 35	35 25	40 12	53 20	65 32	72 41	72 39	59 34	57 30	53 34	54 30	55 23	47 30	38 19	52 20	57 27	44 20	49.3 25.4	
LINTON	MAX MIN	44 32	59 32	61	53	37	35	49	52	51	47	46	56	60	56	36	44	56	69	87	77	63	65	60	43	57	53	41	58	55	51	54.0	
LISBON	MAX MIN	37 12	35 15	55 27	55 31	35 24	34 20	45 14	56 23	55 25	52 32	39 21	55 10	57 28	57 31	35 23	44 22	53 29	64 27	84 44	82 42	64 32	66 30	66 33	43 32	58 30	54 29	42 26	53 29	57 30	55 27	52.8 26.6	
LOSTWOOD 12 N	MAX MIN	48 9	56 34	54 26	49 27	31 14	34 12	44 16	49 44	48 22	47 16	46 10	53 26	52 47	45 34	33 17	9	7	34	63	56	56	55	49	51	49	36	41	51	54	52	48.5 21.9	
MAODOCK AGRIC SCHOOL	MAX MIN	35 7	36 24	53 25	51 27	32 16	34 20	45 28	55 51	51 45	44 26	52 21	51 33	49 25	39 17	39 16	51 19	66 32	77 41	74 39	58 32	57 31	53 30	53 35	52 26	47 24	39 22	51 25	56 31	53 27	49.9 25.3		
MANDAN EXP STATION	MAX MIN	39 12	46 20	60 32	59 36	42 26	34 25	35 15	49 23	55 25	54 30	41 25	45 22	55 27	58 20	40 15	34 13	40 15	54 21	68 42	82 42	56 35	62 29	62 36	37 31	39 29	50 25	39 22	37 25	54 30	55 29	49.4 26.2	
MANDAN FT LINCOLN PARK	MAX MIN	45 7	65 24	63 28	53 27	38 22	35 21	52 10	53 26	53 22	43 19	46 21	57 47	61 35	54 31	42 8	43 9	57 12	68 36	87 43	75 41	68 30	66 52	52 22	43 25	52 24	44 22	39 18	59 29	59 25	64 32	53.6 23.3	
MARMARTH	MAX MIN	49 14	57 36	61 29	64 35	36 22	40 20	42 16	50 41	55 55	54 21	34 27	51 30	65 28	58 34	15 15	38 8	49 18	69 31	75 37	69 39	54 35	60 25	60 30	48 26	43 24	57 21	40 18	40 21	54 34	58 36	52.3 26.4	
MAX	MAX MIN	36 12	44 20	58 30	59 33	34 20	30 18	35 18	47 25	50 32	53 25	36 18	45 22	57 30	56 24	38 14	33 12	38 15	52 30	69 41	73 40	55 30	58 30	55 26	35 28	46 22	47 22	38 20	37 23	52 27	55 25	47.4 24.6	
MAYVILLE	MAX MIN	31 10	43 19	52 29	48 30	32 21	32 18	41 14	50 30	51 29	48 28	33 21	50 16	48 28	45 29	31 20	41 20	51 27	61 28	70 42	68 40	60 34	60 42	55 36	50 33	57 30	53 28	39 27	51 28	57 29	48.6 27.2		
MC CLUSKY	MAX MIN	42 8	48 30	56 31	54 27	29 23	32	48 16	55 25	52 27																							

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICH 4 SW	MAX MIN	32 5	12 22	48 28	42 26	29 11	12 15	42 17	48 26	49 26	43 25	43 19	59 19	48 33	42 25	33 18	19 19	50 10	61 10	69 40	66 17	56 10	54 30	50 28	51 26	54 24	48 25	33 27	52 27	55 27	40 21	46.7 23.9	
NAPOLÉON	MAX MIN	40 19	50 27	57 27	52 32	32 24	32 23	45 12	51 27	48 26	45 27	42 22	53 16	58 35	45 24	35 15	40 12	51 17	68 32	85 49	62 46	60 35	68 30	52 32	38 30	49 26	45 25	38 24	52 22	55 32	47 26	49.9 26.5	
NEW ENGLAND	MAX MIN	55 15	60 41	61 27	49 30	38 25	39 23	48 18	55 22	51 28	36 26	49 20	59 30	59 32	49 24	35 11	40 8	57 8	72 30	74 41	59 18	59 30	60 25	42 31	43 30	54 27	39 23	39 22	51 22	55 29	53 28	51.3 25.5	
NEW SALEM 1 SE	MAX MIN	49 13	60 35	60 30	48 28	34 25	35 24	47 18	55 30	55 27	41 26	41 19	54 29	57 36	46 22	33 12	40 12	54 14	69 32	80 49	58 38	60 32	61 34	50 30	38 29	48 28	38 23	35 22	52 25	55 28	49 26	50.1 26.5	
NEWTOWN	MAX MIN	45 14	59 34	56 29	50 30	32 25	40 20	49 20	53 26	51 26	43 20	48 19	56 29	55 36	52 22	36 12	41 13	53 12	69 39	59 39	57 33	56 28	54 30	49 28	43 37	41 27	38 26	50 25	54 26	54 26	50.4 26.0		
OAKES	MAX MIN	37 13	35 15	36 26	53 32	47 24	32 22	32 15	46 23	51 22	49 32	47 21	35 13	53 25	55 23	38 21	33 21	41 23	51 27	65 39	82 53	60 33	61 30	65 37	38 32	40 32	56 28	40 27	41 29	53 30	57 27	47.6 26.8	
PARK RIVER	MAX MIN	32 7	38 18	54 32	53 27	34 20	35 16	45 18	53 28	52 26	47 25	35 13	51 12	50 27	42 27	36 16	40 16	52 24	62 42	70 39	68 36	58 36	58 32	56 32	55 32	56 31	55 27	39 25	51 25	55 31	51 23	49.4 25.3	
PARSHALL	MAX MIN	48 14	59 35	57 27	54 30	32 21	36 20	48 21	52 27	52 29	44 26	46 19	55 24	55 36	51 25	35 10	40 14	53 7	70 35	72 42	63 40	58 33	57 23	52 26	45 23	43 23	41 20	39 23	51 24	55 26	55 22	50.6 25.1	
PEMBINA	MAX MIN	30 8	40 18	51 29	39 25	33 19	38 16	50 17	50 28	54 31	44 22	37 11	54 11	48 29	48 27	30 17	40 19	50 26	64 26	70 42	64 40	58 33	59 33	53 30	59 31	57 29	50 27	39 28	51 25	45 28	45 22	48.7 24.9	
PETERSBURG	MAX MIN	31 6	32 17	50 28	45 28	30 18	31 14	40 14	47 29	47 27	43 29	35 14	48 17	45 30	43 26	35 16	40 18	49 22	60 29	70 40	65 43	57 32	55 30	51 31	54 28	48 26	35 24	50 22	54 28	40 20	46.0 24.4		
PETTIBONE	MAX MIN	35 8	37 22	54 23	50 28	29 20	29 17	45 26	54 22	50 22	45 28	40 19	53 17	55 32	52 23	36 15	39 14	52 17	64 30	80 43	77 36	60 29	59 27	51 30	42 25	45 22	40 22	35 17	51 17	55 25	52 23	48.9 23.3	
PORTAL	MAX MIN	37 15	51 15	57 28	53 28	33 16	31 14	37 20	48 27	50 28	48 17	32 18	49 28	56 36	52 20	36 18	34 11	40 15	54 32	69 37	60 38	57 29	59 32	57 34	39 21	55 31	47 20	35 18	42 19	53 31	55 21	47.5 23.9	
POWERS LAKE 1 N	MAX MIN	37 11	57 20	57 23	55 25	31 15	29 15	35 19	42 25	45 32	50 32	39 18	43 25	50 32	39 18	43 25	31 9	40 10	52 25	69 33	62 35	55 30	54 26	55 30	35 26	35 20	25 17	55 42	50 20	56 28	46.3 22.5		
RAUB 10 SSW	MAX MIN	50 15	60 35	59 29	52 29	45 28	35 20	55 22	54 25	37 35	40 25	56 29	55 36	37 26	40 26	34 15	55 17	70 35	71 40	59 36	55 36	60 34	40 32	46 25	43 23	38 24	38 22	49 29	55 34	54 32	50.2 27.7		
RICHARDSON ABBEY	MAX MIN	53 15	59 37	59 31	54 29	33 26	34 23	49 21	55 26	51 22	43 26	47 21	55 27	57 33	47 16	35 13	39 12	57 14	70 37	73 45	62 37	59 31	57 32	53 27	37 27	49 22	40 22	36 23	54 23	54 31	50 27	50.7 26.4	
RIVEROALE	MAX MIN	38 15	44 18	55 30	57 32	38 20	32 23	36 19	49 26	54 29	55 27	38 21	43 23	54 29	55 23	38 16	33 11	53 13	53 26	69 38	70 39	53 33	55 29	57 31	34 28	44 30	45 25	39 24	38 26	49 31	52 25	47.2 25.3	
ROLLA	MAX MIN	33 5	40 25	51 34	41 24	28 19	33 16	42 20	52 28	48 19	38 20	39 16	51 28	43 20	36 17	33 12	36 21	49 18	63 29	69 39	63 35	54 30	56 33	47 31	52 29	52 28	47 23	33 22	50 22	53 31	39 21	45.6 24.5	
RUGBY	MAX MIN	39 10	40 28	54 30	52 30	32 20	35 20	45 19	54 31	52 25	48 19	42 31	54 32	52 24	51 20	38 25	38 20	52 35	66 35	73 44	63 38	58 34	58 30	55 34	53 32	54 29	50 23	38 22	53 22	57 27	54 23	50.3 26.7	
SAN HAVEN	MAX MIN	35 4	48 25	53 31	49 29	29 17	34 16	44 16	55 27	52 27	48 21	45 15	52 22	48 33	45 21	34 16	37 14	52 19	64 34	70 39	68 35	56 29	53 32	50 33	52 28	48 25	37 21	51 20	54 31	43 21	48.4 24.3		
SHARON	MAX MIN	32 8	34 20	51 27	45 28	30 19	29 13	38 25	46 28	47 27	43 23	36 18	48 18	47 30	44 28	34 18	40 20	54 20	60 30	65 36	57 33	56 31	52 29	50 26	54 29	47 26	36 20	50 19	55 24	43 25	45.6 24.2		
STANLEY	MAX MIN	48 13	57 34	56 28	48 27	32 17	36 19	46 20	51 28	47 23	41 20	46 28	54 33	53 37	39 20	33 13	39 12	51 10	69 35	65 34	55 38	56 33	54 29	48 29	46 26	43 30	36 20	40 19	49 24	54 26	49 23	48.0 24.7	
STEELE	MAX MIN	40 9	50 28	58 30	55 29	32 24	32 25	45 15	53 29	49 25	46 29	43 24	57 19	56 30	54 24	40 14	40 11	54 17	68 31	85 41	83 40	61 31	62 31	59 32	42 31	48 25	48 25	37 23	52 21	55 29	54 26	51.9 25.6	
TIOGA 1 E	MAX MIN	39 12	52 20	58 26	54 32	34 19	30 18	37 21	48 25	34 31	48 18	33 11	48 23	56 34	55 20	37 10	34 42	42 10	64 25	70 35	64 38	57 30	58 28	40 25	45 28	42 33	37 28	49 24	54 26	47.4 22.9			
TOWNER	MAX MIN	37 7	58 27	52 30	34 22	33 22	33 20	43 24	57 22	56 24	47 19	44 24	52 33	54 23	40 11	37 12	52 10	69 33	73 33	67 38	55 25	58 27	55 31	60 29	53 31	48 23	38 22	49 24	58 22	47 23	50.5 24.3		
TROTTERS 3 S	MAX MIN	54 17	61 41	58 30	48 29	35 21	38 18	49 20	52 25	52 34	41 22	49 19	65 32	56 36	45 21	36 11	40 10	62 13	75 37	67 43	54 37	57 32	47 29	42 27	47 29	21 21	17 17	27 27	50 27	54 28	53 32	50.6 26.2	
TURTLE LAKE	MAX MIN	58 18	58 29	36 29	54 29	30 23	36 24	48 19	56 28	53 31	49 26	46 21	53 23	58 47	49 24	47 12	40 12	53 16	69 34	77 42	67 39	59 34	58 30	52 32	48 29	46 30	45 24	38 22	52 24	55 29	54 23	52.2 26.4	
UNDERWOOD 4 ESE	MAX MIN	44 11	57 32	56 32	53 28	31 19	34 22	47 18	49 21	53 29	48 25	45 19	55 22	56 25	42 37	33 13	38 11	52 14	69 32	75 39	61 38	57 32	56 32	51 30	45 27	44 28	40 22	37 22	50 23	53 29	52 23	49.4 25.1	
UPHAM 3 N	MAX MIN	40 4	51 30	57 30	42 26	31 16	36 22	49 16	58 25	56 33	49 23	46 18	56 24	54 38	49 23	39 15	41 11	53 10	68 35	72 41	68 38	61 32	57 27										

DAILY TEMPERATURES

NORTH DAKOTA
APRIL 1961

Continued

Continued		Day Of Month																															Average
Station																																	Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WISHEK	MAX	40	40	50	58	44	33	34	46	48	45	46	42	51	59	45	30	41	54	68	84	53	62	68	37	41	53	42	41	55	50	48.7	
	MIN	11	14	25	34	25	22	10	25	23	28	22	18	28	26	16	12	17	25	42	47	31	25	34	30	25	25	23	20	31	24	24.6	

EVAPORATION AND WIND

Station		Day of month																															Total Evap	Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DEVILS LAKE WB CITY	EVAP WIND	- -	.01 42	* 61	* 83	.09 87	.03 71	.07 43	.01 50	.14 77	.10 73	.07 41	.10 55	.13 97	.10 105	.08 123	.05 111	.19 61	.14 45	.19 98	.15 91	.18 101	.11 63	.17 99	.17 57	.17 56	.19 163	.26 129	.08 78	.03 87	.18 14	.14 56	B 3.10 B 2382	
EDGELEY EXP FARM	EVAP WIND	- -	- -	- -	- -	- -	- -	- -	- -	- 64	.10 82	- 122	- 80	- 153	.02 152	- 241	.02 211	- 174	- 79	- 152	.35 115	.27 142	.23 146	.11 141	.30 181	- 94	.06 127	.15 143	.16 138	.07 69	.17 95	.12 95	- B 3.90 5136	
MANDAN EXP STATION (A)	EVAP WIND	- 125	- 104	.11 217	.11 138	- 240	- 172	* 74	.21 98	.05 105	.18 116	.15 131	.10 64	.09 312	.23 182	.10 307	.17 246	.13 182	.18 53	.09 254	.26 230	.18 188	.21 105	.16 256	.18 281	- 109	.02 180	.11 145	.11 198	.09 79	.12 155	.19 155	B 3.90 5136	
RIVERDALE	EVAP WIND MAX MIN	- - - -	- 108 - -	- 136 - -	- 91 - -	- 165 - -	- 106 - -	- 72 - -	- 105 - -	- 135 - -	- 167 - -	- 69 - -	- 84 - -	- 269 - -	- 119 - -	- 174 - -	- 159 - -	- 105 - -	- 89 - -	- 219 - -	.40 137	.28 200	.24 126	.20 216	.06 206	.00 114	.16 240	.16 217	- 162	- 99	- 159	- B 4394 -		

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

SNOWFALL AND SNOW ON GROUND

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERCROMBIE	SNOWFALL SN ON GND	T T				.7 1	.1 1	T								.8 1	T	.2 T															
ALMONT 7 SW	SNOWFALL SN ON GND				.5 1	T T						T												7.5 7	1								
AMENIA	SNOWFALL SN ON GND				T T	T T																			T								
ASHLEY	SNOWFALL SN ON GND		T		.5							3.0																					
BEACH	SNOWFALL SN ON GND					1.5 1	.5 T	T				T													2.0 T				T T	T			
BELCOURT INDIAN RES	SNOWFALL SN ON GND		2.0 -		1.0 1	T T											T										1.0 T	1.0 T		T			
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV				.6 T	T T	T				T	T												5.8 T	3 .6		T		.1				
BOTTINEAU	SNOWFALL SN ON GND		1.5 2	T	1.0 1	T										T							T	T				.5 1	1.0 1				
BOWBELLS	SNOWFALL SN ON GND				2.0 2	2.0 3	2	1	T																								
CAVALIER	SNOWFALL SN ON GND					T										.5 T													.2 T	.5 T			
CENTER	SNOWFALL SN ON GND				1.0 1	T																			4.0 4	1	T	T T	T T	T			
CROSBY	SNOWFALL SN ON GND				T T	T																											
DEVILS LAKE WB CITY	SNOWFALL SN ON GND		1.3 1		3.0 T	T 3	T 3	2	T			.2 T					.2 T					T						T	.7 T		T		
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND				T	T T	T T				T	T													2.0 T	2	T T	.6	1	T			
DUNN CENTER 2 SW	SNOWFALL SN ON GND				T	1.0 1	T																		2.0 2	8.0 9	6	4	4	4	3		T
ELLENDALE	SNOWFALL SN ON GND		1.5 -		T T	T					T															T T	T						

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
APRIL 1961

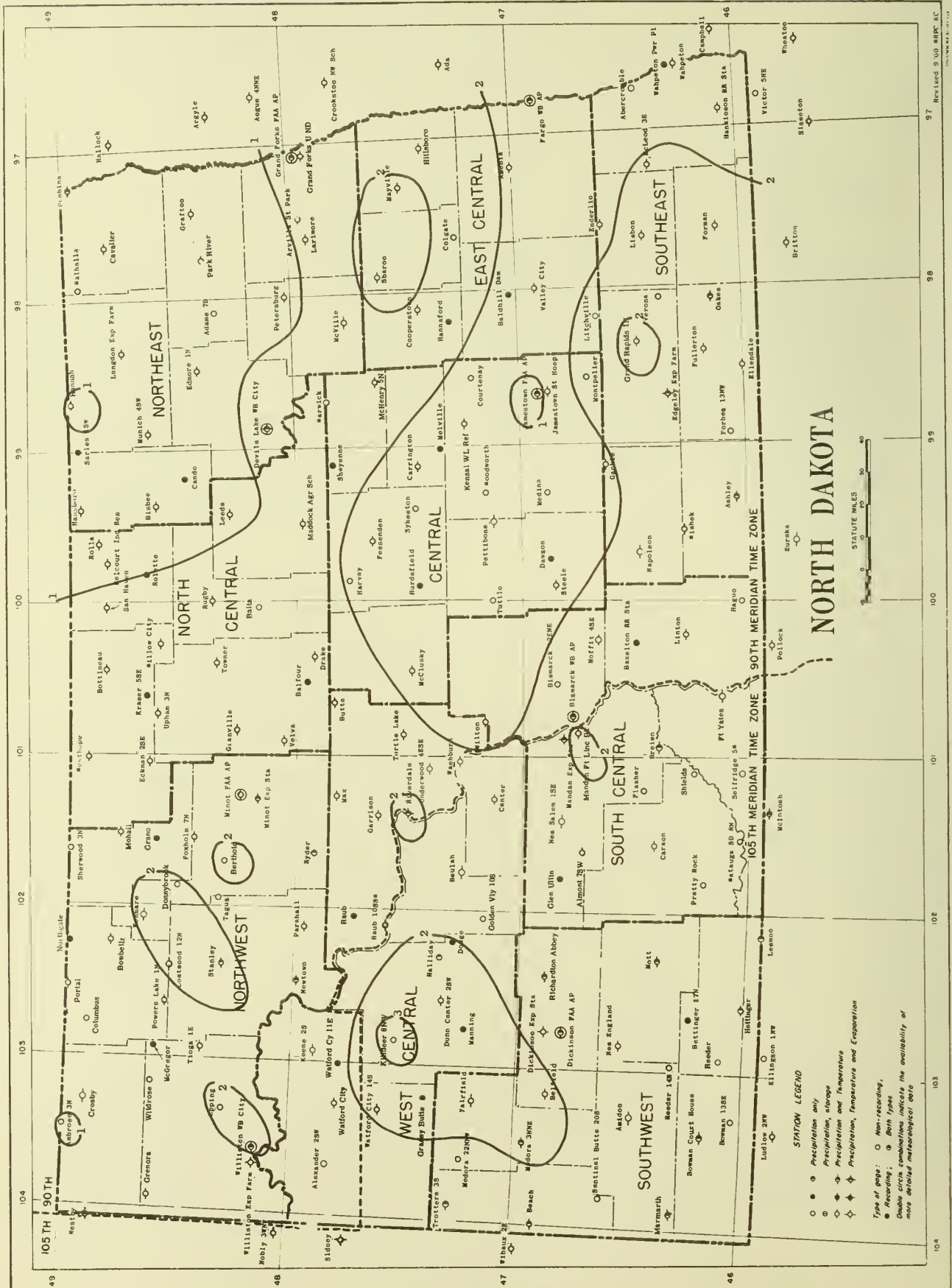
Continued

Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
FAIRFIELD	SNOWFALL SN ON GND				1.0 1	T	T				T													5.0 5	T		T	T						
FARGO WB AIRPORT	SNOWFALL SN ON GND	T	T	T	.5 1	.1 1	T				T				T	T	T	T						1.0 T	.5 T			.7 T	T					
FESSENDEN	SNOWFALL SN ON GND		T	T	1.0 1	T																		T T	3.0 3									
FORT YATES	SNOWFALL SN ON GND																							- -	- -									
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	T	T		.2 T	T	T				T			T	T	T		T						T T	.5 T		T	T						
GRAND RAPIDS 1 N	SNOWFALL SN ON GND		4.0 4		1.0 1																			1.5 2										
GRANVILLE	SNOWFALL SN ON GND				3.3 1	1	1	1																			T	.3						
HANNAH	SNOWFALL SN ON GND	T	1.0 T								.3 T																T	2.0 2	T					
HETTINGER	SNOWFALL SN ON GND				- T																			- -	- -									
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND		1.0 1		T	T	T	T			T T	T T												3.0 T	2			T						
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND		1.0 1	T	1.0 1	T	1	T		T														- -	- -									
LANGDON EXP FARM	SNOWFALL SN ON GND			.3 T		T	T				.2 T																.5 T	1.0 1	T					
LEEDS	SNOWFALL SN ON GND		1.0 1		4.5 2	2	1																											
LISBON	SNOWFALL SN ON GND		- 1		T	2.0 1																			- -	- -								
MARMARTH	SNOWFALL SN ON GND																							- -	- -									
MAX	SNOWFALL SN ON GND					1.0 1	T	T	T															T T	2.0 2	T			.5 T					
MAYVILLE	SNOWFALL SN ON GND	T	T	T	1.0 1	T	1	T	T	T		T			T	T								T T	3.0 T		T	.2 T						
MC CLUSKY	SNOWFALL SN ON GND				.2 T	T	T	T																1.5 1	.5 T			.1						
MC HENRY 5 N	SNOWFALL SN ON GND		.2 T		3.6 4	3	2	T			T	T				T								T T	3.0 T			T						
MINOT FAA AIRPORT	SNOWFALL SN ON GND				3.0 T	T	2	T	1	T					T									1.0 T			T	T	T					
MOHALL	SNOWFALL SN ON GND				2.5 3	2	1	T																				T						
MOTT	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MUNICH 4 SW	SNOWFALL SN ON GND		T	T		T																						T	T					
NAPOLEON	SNOWFALL SN ON GND																							6.0 6	2.0 8	5	3							
PARK RIVER	SNOWFALL SN ON GND			T	T	T								T															T					
PARSHALL	SNOWFALL SN ON GND				T	T																		1.0 1	-	-	-	-	T	T				
PETERSBURG	SNOWFALL SN ON GND		.4 T		1.9 2	T	2	1	T		.6 T				T											.7		T	.3 T					
PETTIBONE	SNOWFALL SN ON GND				- 1	-																			6.0 1	T								
PRETTY ROCK	SNOWFALL SN ON GND				1.0 1		T		T	T														2.0 2	1.0 3	T		1.0						
RICHARDTON ABBEY	SNOWFALL SN ON GND				.9 T	.4 T	T	T			T	T												6.0 6	.2 6	1	T	T	T	T	T	T	T	
RIVERDALE	SNOWFALL SN ON GND					T	T	T																	4.0 3	T								
SHARON	SNOWFALL SN ON GND		T		6.0 6	.5 6	5	2	T	T	T													2.0 2	T			T						
STANLEY	SNOWFALL SN ON GND				4.0 4	2	2	1	T															7.0 5	2	T	T	T	T					
VELVA	SNOWFALL SN ON GND				1.0 1	T	1	1			T																							
WATFORD CITY	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILLISTON WB CITY	SNOWFALL SN ON GND WTR EQUIV				2.0 T	T					T														9.0 T	3 .3	.4 T	T	T	T				
WILLOW CITY	SNOWFALL SN ON GND		1.2		1.1 T	T	T	T																				.3	T					

See reference notes following Station Index.

TOTAL PRECIPITATION

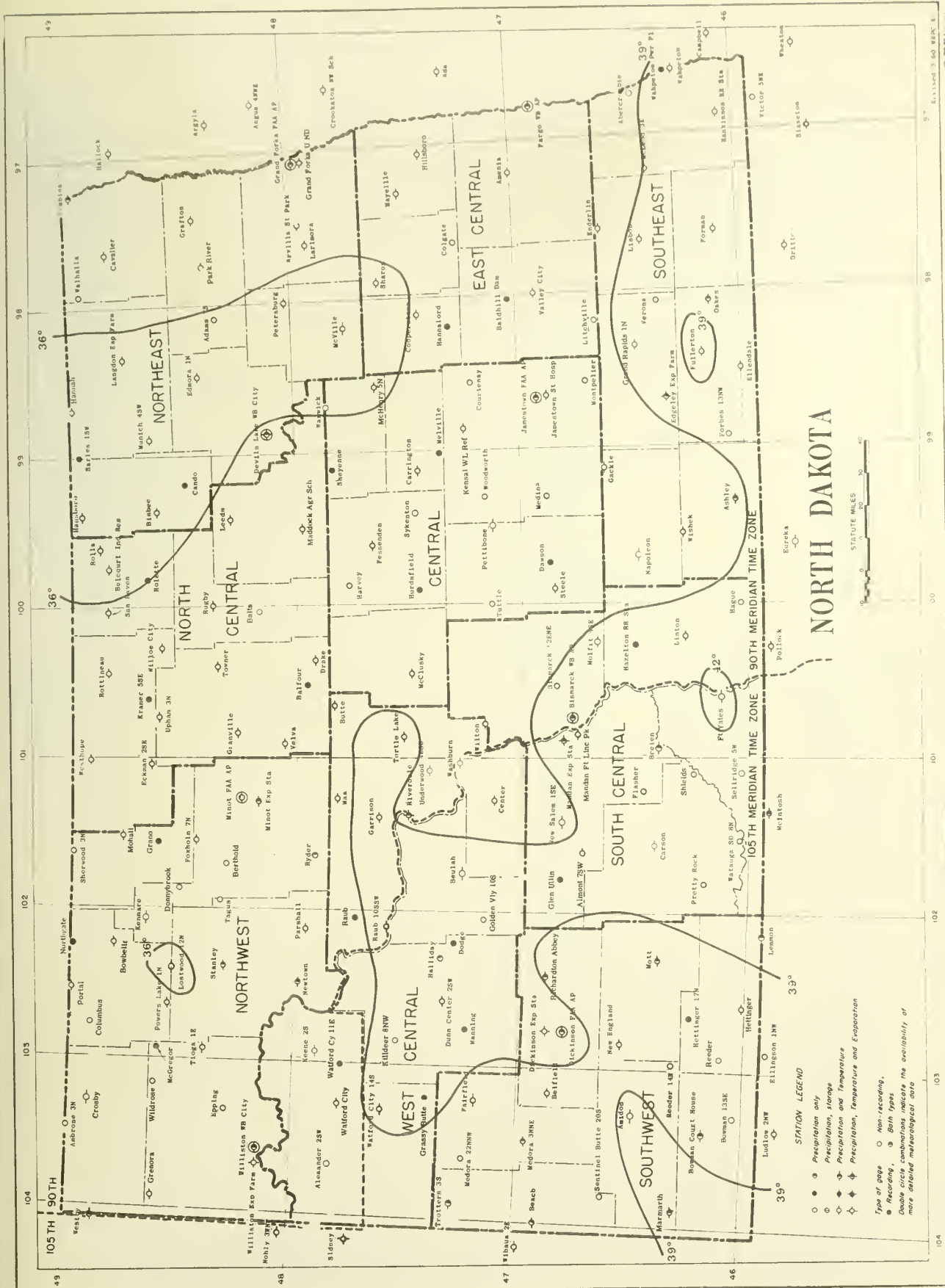
APRIL 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

APRIL 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

STATION INDEX

NORTH DAKOTA
APRIL 1981

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES					OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL		
ABERCROMBIE	0005	RICHLAND	10 46 27	96 45	935	8A	H					HELMER AMUNDSEN
ADAMS 7 S	0022	WALSH	10 48 20	98 06	1554	6P						WYRON L. BATA
ALEXANDER 2 SW	0096	MCKENZIE	13 47 50	103 42	2170	7P	H					WILLIAM LANZ
ALMONT 7 SW	0136	MORTON	4 46 43	101 39	2300	7P	H					HOGAN RAMSLAND
AMBROSE 3 N	0189	DIVIDE	12 49 00	103 28	2027	7P	H					U S BORDER STATION
AMENIA	0196	CASS	11 47 00	97 13	960	5S						IRVING L. GEBKE
AMUNDSON	0209	SLOPE	1 46 29	103 19	2120	8A						FRED FLEENER
ARVILLA STATE PARK	0369	GRAND FORKS	10 47 56	97 30	960	6P						VERNON C. THOREN
ASHLEY	0382	MINTOSH	8 46 02	99 22	2001	5S	C					U S SOIL LINE AGENT
BALFOUR	0450	BARNES	11 47 02	98 02	1300							U S CORPS OF ENGINEERS
BALFOUR	0492	MCKENRY	12 47 57	100 32	1615							ANTHONY ROGSTAD
BALFOUR	0500	PIERCE	11 48 10	100 02	1550	6P						ERIK SCHWALTZ
BEACH	0590	GOLDEN VALLEY	7 46 55	104 01	2824	6A	H					LUISER F. MODLIN
BEACON	0626	ROLETTE	9 48 50	99 45	1960	7P	H					ANDREW C. HEINLAIR
BEACON	0639	STARK	4 46 53	103 15	2588	7P	H					CARL INDERGARD
BERTHOLD	0729	WARD	12 48 19	101 44	2080	5P						JOAN COX
BERTHOLD	0766	MERCER	6 47 16	101 47	1780	7P	H					MONT DAK UTILITIES CO
BERTHOLD	0796	TOWNER	2 48 37	99 22	1600	6P						JOHN J. KRICK
BERTHOLD	0819	BURLINGHAM	8 46 46	100 45	1647	MID	C					U S WEATHER BUREAU
BERTHOLD	0827	BURLINGHAM	8 46 51	100 33	1709	8A						KYR TRANSMITTER
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A	H					N D SCHOOL OF FORESTRY
BOWEN	0961	BURKE	12 48 48	102 15	1953	8A						H FELIX L. ADAMS
BOWEN	0995	BOHMAN	3 46 11	103 23	2980	5P						C MICHAEL R. HIRSCH
BOWEN	0998	BOHMAN	3 46 02	103 18	2810	6P						GEORGE HIRSH
BOWEN	1052	STARK	1 46 24	100 56	1720	6P						ANNA C. PEDERSON
BUTTE	1225	MCKEAN	12 47 50	100 40	1885	8A						SAM KRITSKY
CANDY	1288	TOWNER	2 48 29	99 12	1481							HARRY E. HARRIS
CARRINGTON	1360	FOSTER	5 47 27	99 08	1580	8A						ANDREW C. HEINLAIR
CARRINGTON	1370	GRANT	10 47 00	101 34	2310	8A						JACK STEWART
CAVALIER	1435	PEMBINA	9 48 48	97 38	889	6P	H					WILLIE HANSEN PICO
CENTER	1456	OLIVER	8 47 07	101 18	2100	7P	H					FRED L. HEINZ
COLGATE	1686	STEELE	10 47 14	97 39	1180	6P						JOHN P. BURCHILL
COLUMBUS	1698	BURKE	10 48 54	102 47	1920	6P						J. D. SUNDEN
COURTESY	1766	GRIGGS	11 47 26	98 07	1428	5P						DELANO M. MARSON
COURTESY	1810	STUTSMAN	5 47 13	98 34	1523	6P						G. H. HANAWALT
CROSBY	1871	DIVIDE	12 48 54	103 18	1952	6P	H					JOHN ANDRIST
DAWSON	2018	KIDDER	8 46 52	99 45	1730							C. C. BILLINGTON
DEVILS LAKE W. CITY	2158	RANSOM	2 48 07	98 52	1471	MID	C					U S WEATHER BUREAU
DICKINSON FAA AIRPORT	2183	STARK	4 46 47	102 48	2595	MID	C					U S FED AVIATION AGENCY
DICKINSON EXP STATION	2188	STARK	4 46 53	102 48	2460	7A	TA					DICKINSON EXP STATION
DODGE	2215	DUNN	6 47 18	102 12	1989							THEODORE ISAAC
DONNYBROOK	2242	WARD	12 48 31	101 53	1760	6P						RENEE SONNBERG
DRAKE	2298	MCKENRY	12 47 57	100 22	1636	8A						J. J. EVANS
DUNN CENTER 2 SW	2365	DUNN	6 47 20	102 38	2232	7A	TA					CHEWLEY M. DINKINS
ECKMAN 2 SE	2472	HOTTINEAU	12 48 39	101 01	1495	7A						JOHN H. ZURCHER
EDGELEY EXP FARM	2482	LA MOURE	5 46 20	98 42	1568	8A	BA					N D AGRICULTURE EXP STA
EDMORE 1 N	2525	RISD	9 48 28	98 28	1420	6P						H. M. COLLINS
ELLERDALE	2609	DICKEY	5 46 00	98 31	1460	8P						M. C. GODDARD
ENDERLIN	2695	RANSOM	11 46 37	97 36	1120	7A	TA					LEONARD PETERSON
EPING	2735	WILLIAMS	8 48 17	103 21	2224	6P						J. F. CARPENTER
FAIRFIELD	2809	RILLINGS	7 47 11	103 13	2750	6P						JOHN PETERSON
FARGO W. AIRPORT	2859	GRANT	10 46 54	98 48	1988	MID	C					U S WEATHER BUREAU
FESSENDEN	2940	WELLS	5 47 39	99 37	1620	6P						H. EMIL E. RUST
FLASHER	3009	MORTON	1 46 27	101 14	1930	8A						GEORGE W. MCINLAIR
FORBES 13 NW	3064	DICKEY	5 46 04	98 56	1988	6P						THEODORE A. WIRCH
FORMAN	3127	SARGENT	10 46 06	97 39	1249	6P						ART WATERMAN
FORT YATES	3207	SIoux	8 46 06	100 38	1640	5P	H					U S WILDLIFE REFUGE
FOXHOLM 7 N	3217	WARD	12 48 27	101 34	1609	5P						W. E. LUBINS
FULLERTON	3287	DICKEY	5 46 10	98 25	1439	6P						ALVIN HUMMEL
GACKLE	3309	LOGAN	5 46 38	99 08	1951	6P						
GARRISON	3376	MCKEAN	8 47 38	101 25	1911	7A	TA					ALBERT J. BEIERLE
GLEN ULLIN	3498	MORTON	4 46 49	101 49	2090							FREDERICK J. ANHORN
GOLDEN VALLEY 10 S	3529	MERCER	6 47 10	102 03	1870	6P						ROBERT H. BACKFISCH
GRAFTON	3594	WALSH	10 48 29	97 25	1827	5P						GRATON STATE SCHOOL
GRAND FORKS FAA AIRPORT	3616	GRAND FORKS	10 47 56	97 05	832	MID	C					U S FED AVIATION AGENCY
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10 47 55	97 05	830	MID	C					UNIVERSITY OF N D
GRAND RAPIDS 1 N	3665	LA MOURE	5 46 28	98 21	1360	6P						H. ALBERT J. NESS
GRAND	3676	RENNVILLE	12 48 37	101 35	1625	7P						C. ROBERT DECKER
GRANDVILLE	3686	MCKEAN	12 48 16	100 51	1504	7P						FRED ROBLE
GRASSY BUTTE	3696	MCKENZIE	7 47 24	103 14	2640							LYNDON R. LANPHEAR
GRENORA	3736	WILLIAMS	8 48 37	103 56	2131	6P						JOHN A. LAURA
HAGUE	3826	EMMONS	8 46 02	100 00	1896	6P						PETER ROCHER
HALLIDAY	3846	DUNN	10 47 21	100 22	2048	6P						IRVIN RICHARD
HANKINSON R R STATION	3908	RICHLAND	10 46 04	96 54	1068	7A	TA					SOO LINE AGENT
HANNAFORD	3926	GRIGGS	11 47 18	98 12	1428							C. ROBERT V. BROTEN
HANNAN	3936	CAVALIER	9 48 59	98 41	1570	6P						U S CUSTOMS OFFICE
HANSBRO	3963	TOWNER	9 48 57	99 23	1590	7P						JOE FAHRKROPP
HARVEY	4013	WELLS	11 47 44	99 53	1995	6P						STEPHEN SCHROEDER
HAZELTON R R STATION	4083	EMMONS	8 46 29	100 17	1978	6P						W. G. SHAW
HETTINGER	4178	ADAMS	3 46 00	102 38	2680	6P						H. FRED D. FORTHUN
HETTINGER 17 N	4186	ADAMS	1 46 15	102 39	2610							C. O. J. GERBRACHT
HILLSBORO	4203	TRAIL	10 47 24	97 04	901	6P						ALFRED JANKE
HILLSBORO	4243	WELLS	5 47 27	99 53	1915	6P						RUTH BUCHWITZ
JAMESTOWN FAA AIRPORT	4413	STUTSMAN	5 46 55	98 41	1492	MID	C					U S FED AVIATION AGENCY
JAMESTOWN STATE HOSP	4410	STUTSMAN	5 46 53	98 41	1457	7P						N D STATE HOSPITAL
KEENE 2 S	4571	MCKENZIE	8 47 54	102 56	2166	6P						KENNETH V. BERGET
KENMAR	4646	WARD	12 48 40	102 05	1800	8A						THEO. E. ECKBERG
KENMAR WILDLIFE REFUGE	4656	STUTSMAN	5 47 16	98 52	1451	5P						U S WILDLIFE REFUGE
KILLDEER 7 NW	4726	DUNN	7 47 26	102 49	1895	6P						RENAL MITTELSTADT
KRAMER 5 SE	4823	BOTTINEAU	12 48 39	100 37	1457							C. PAUL A. KRETSCHMAR
LANGDON EXP FARM	4958	CAVALIER	9 48 45	98 20	1615	5P						H. V. STORLAUGSON
LARIMORE	5013	GRAND FORKS	10 47 55	97 38	1134	5P						WELLS B. ENGEN
LEEDS	5078	BENSON	2 48 17	99 26	1515	6P						H. CLARENCE MCCORMACK
LINTON	5210	EMMONS	8 46 16	100 14	1685	6P						LEONARD P. MALONE
LITSON	5220	RANSOM	11 46 26	97 42	1089	5P						H. D. SOLDIERS HOME
LITCHVILLE	5230	BARNES	11 46 39	98 11	1467	6P						MELVIN RORVICK
LOSTWOOD 12 N	5434	BENSON	11 47 58	99 30	1604	6P						LOSTWOOD WILDLIFE REF
MANDAN AGRICULTURAL SCHOOL	5479	MORTON	4 46 48	100 54	1750	8A	BA					BENSON COUNTY AGRIC SCH
MANDAN EXP STATION	5484	MORTON	8 46 45	100 52	1474	5P						NO GREAT PLAINS FLD STA
MANDAN FT LINCOLN PARK	5484	MORTON	8 46 45	100 52	1474	5P						FORT LINCOLN PARK
MANNING	5519	DUNN	6 47 14	102 46	2219							C. DONALD JEFFERIES
MARMOUTH	5579	SLOPE	7 46 18	103 55	2710	8A	BA					C. E. B. JESTNES
MAX	5638	MCKEAN	8 47 10	101 18	2093	8A	BA					H. R. H. SCHAFER
MAYVILLE	5660	TRAIL	10 47 30	97 19	975	6P						H. A. RAGAN
MCCUSKEY	5710	SHERIDAN	8 47 29	100 28	1943	6P						H. ELMER L. SCHIELKE
MCGREGOR	5720	WILLIAMS	8 48 36	102 56	2221							C. MARCELLA DEPUTE
MCKENRY 5 N	5730	EDDY	11 47 38	98 35	1509	7P	7P					C. E. BLASKY
MCKENRY 3 E	5754	RICHLAND	11 46 24	97 14	1075	7P	7P					GORDON E. CARLSON
MCKENRY	5764	NELSON	10 47 46	98 10	1467	6P						ROBERT D. GETZ
MEDINA	5798	STUTSMAN	8 46 53	99 19	1795	6P						NORMAN GRAF
MEDORA 3 NNE	5813	BILLINGS	7 46 58	103 30	2250	5P	5P					U S NATL PARK SERVICE
MEDORA 22 NNE	5818	BILLINGS	7 47 14	103 36	2255	6P						J. WILBUR ANNEAR
MELVILLE	5833	FOSTER	5 47 20	99 02	1625							EDGAR S. STEGMER
MINOT FAA AIRPORT	5988	WARD	12 48 10	101 17	1713	MID	MID					U S FED AVIATION AGENCY
MINOT EXP STATION	5993	WARD	12 48 10	101 18	1720	8A	BA					N CENTRAL AGRIC EXP STA
HOFFIT 4 SE	6015	BURLINGHAM	8 46 40	100 14	1760	5P	5P					U S FISH AND WILDLIFE
MOHALL	6025	RENNVILLE	12 48 46	101 31	1639	8A	BA					H. W. E. PURDY
MONTPELIER	6105	STUTSMAN	5 46 42	98 35	1370	6P						

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gauge Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gauge is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table

for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in

Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

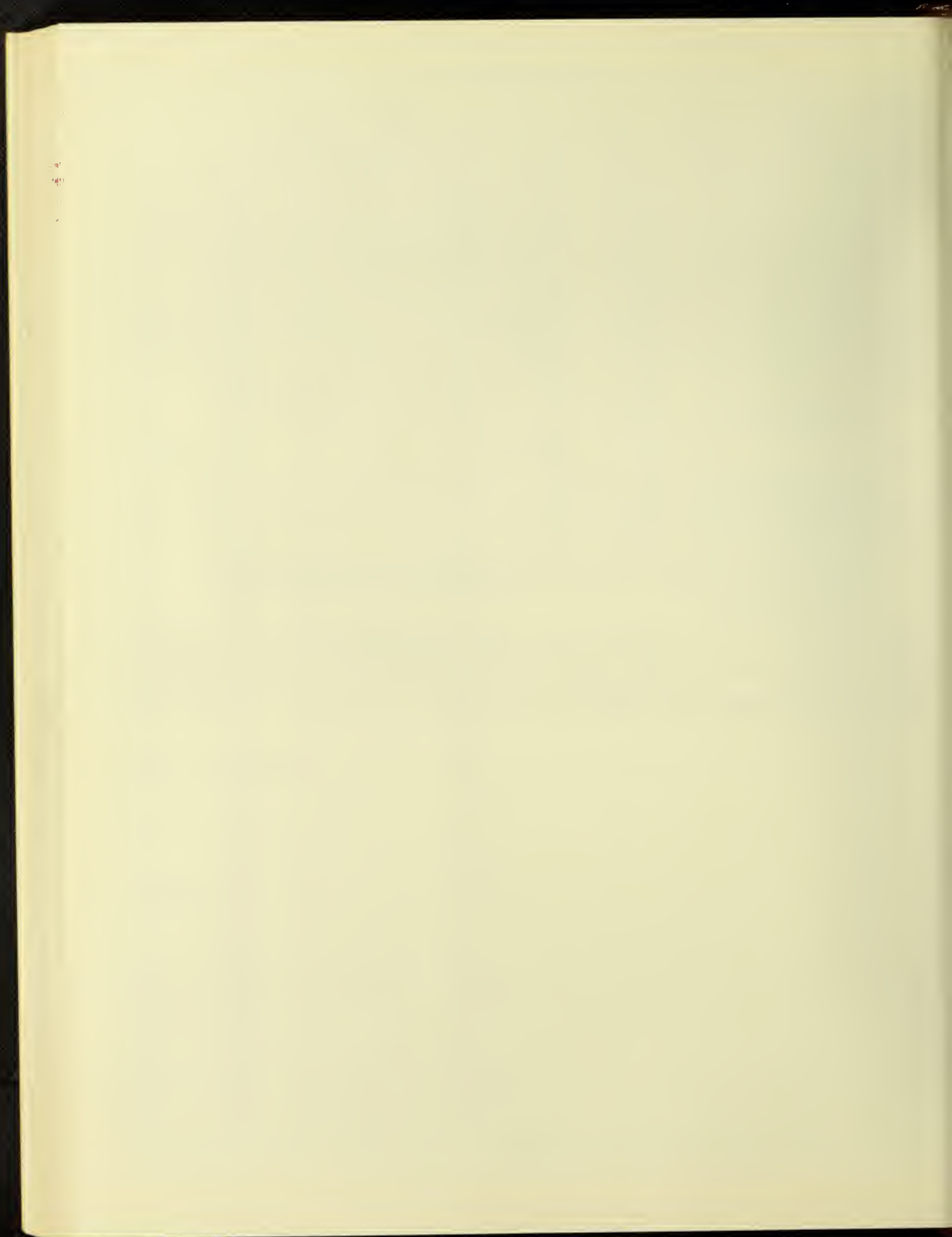
V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

MAY 1961
Volume 70 No. 5



ASHEVILLE: 1961

NORTH DAKOTA - MAY 1961

WEATHER SUMMARY

May was a month of contrasts. Cool weather with ample rainfall prevailed during the first three weeks. This was followed by warmer than normal temperatures and deficient rainfall during the last week to 10 days.

The unseasonably cold weather of April continued without interruption through the 20th of May. During this period freezing temperatures occurred frequently - generally around the 1st to 3d and around the 9th and 16th. Lowest temperatures dropped into the teens on several occasions. Warmest days in this period were around the 7th and 12th. The change to warmer weather took place right after the 20th and continued to the end of the month. A brief cold outbreak occurred about the 25th and 26th that brought freezing temperatures to many parts of the state on the morning of the 26th. Maximum temperatures on the 25th were mostly in the sixties. Otherwise temperatures during the last 10 days climbed into the seventies and eighties reaching the low nineties at several places in the closing days of the month.

Rainfall continued to be generous in most sections of the state during the first half of the month. Locally heavy rains fell in the extreme southeast in the period 13th to 15th. However, the last half of the month was marked by almost complete lack of rain over the eastern and northern portions of the state. The southwestern and south-central portions received some rain from the 16th to 19th. During the period 23d to 26th a few light showers were reported over the southeastern portion. On the afternoon of the 23d heavy rains were reported in a small area from Amidon to Medora westward nearly to Beach. Unofficial estimates of 3 to 4 inches in some sections were reported. This storm was accompanied by considerable hail and in the area near Medora it had to be pushed off the highway. Hail was reported piled up several feet in ditches and ravines.

From an agricultural standpoint it was a month that gave much promise during the generous rains in the early part. But with dry and warm weather towards the end of the month hopes began to fade. At midmonth soil moisture was adequate to good but subsoil moisture was short along the Canadian border. By the end of the month good general rains were needed in nearly all areas. However, crops were holding up well.

Carl J. Sanderson
Climatologist
Weather Bureau Airport Station
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 94° on the 30th at Beulah
Lowest Temperature: 11° on the 1st at Belcourt Indian Res
Greatest Total Precipitation: 3.56 inches at Amidon
Least Total Precipitation: 0.46 inch at Watford City
Greatest one-day Precipitation: 1.61 inches on the 31st at Hannah
Greatest Total Snowfall: 1.5 inches at Almont 7 SW
Deepest Snow on Ground: 1 inch on the 10th at Bisbee

SUPPLEMENTAL DATA

NORTH DAKOTA
MAY 1961

Station	Wind direction		Wind speed m p h				Relative humidity averages percent				Number of days with precipitation							
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total	Percent of possible sunshine
BISMARCK WB AIRPORT	SE	15	12.9	42	NW	7	69	78	49	40	4	6	3	0	0	0	13	74
DEVILS LAKE WB CITY	NE	-	9.2	28	S	30	-	75	41	36	2	2	3	0	0	0	7	74
FARGO WB AIRPORT	S	13	14.2	36	S	30	64	76	48	42	2	1	3	2	0	0	8	64
WILLISTON WB CITY	SE	-	8.6	31	S	29	-	80	49	40	4	2	2	0	0	0	8	72

CLIMATOLOGICAL DATA

Station	Temperature												Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow			No. of Days			
										Mo. of Days									Total	Max Depth on Ground	Date	10 or More	5 or More	1.00 or More	
										60° or Above	32° or Below	20° or Below	10° or Below	0 or Below											
NORTHWEST DIVISION																									
ROWRELLS	66.1	37.1	51.6	- 0.3	89	31	20	1	425	0	0	10	0	.97		.32	6	.0	0		5	0	0		
CROSBY	68.1	37.1M	52.6M	- 1.2	89	30	22	1	426	0	0	8	0					.0	0						
FOXHOLM 7 N	68.2	37.7M	53.0M		88	30	20	3	384	0	0	9	0	2.22	.38	1.18	31	.0	0		6	1	1		
GRENORA	69.3	39.1	54.2		89	30	23	1	349	0	0	5	0	.74		.22	5	.0	0		4	0	0		
KENMARE	65.1	38.0	51.6		89	31	23	2+	422	0	0	7	0	1.24	.62	.40	6	.0	0		4	0	0		
LOSTWOOD 12 N	65.8	37.2	51.5		86	30	21	1	427	0	0	9	0	.95		.25	5	.0	0		5	0	0		
MINOT FAA AIRPORT	65.4	39.5	52.5		89	30	23	1	391	0	0	7	0	1.53		.46	6	.0	0		6	0	0		
MINOT EXP STATION	//	65.7	38.8	52.3		89	31	21	1	406	0	0	6	0	.97		.35	6	.0	0		5	0	0	
MOHALL		66.3	35.1M	50.7M	- 3.3	90	31	20	3	469	0	0	8	0	1.56	.45	.46	6	.0	0		6	0	0	
NEWTOWN		66.7	39.9	53.3	- 0.1	90	30	22	1	370	1	0	5	0	.99	.67	.27	5	.0	0		5	0	0	
PARSHALL		67.6	39.1	53.4		89	30	22	1	370	0	0	5	0	1.08	.94	.28	6	.0	0		5	0	0	
PORTAL		65.2M	36.9M	51.1M	- 1.6	90	31	22	1	432	1	0	7	0	.81	- 1.07	.22	11	.0	0		3	0	0	
POWERS LAKE 1 N		63.8M	37.4M	50.6M		97	31	23	1	468	0	0	7	0	.71		.22	11	.0	0		4	0	0	
STANLEY		65.8	38.3	52.1		88	30	21	1	405	0	0	6	0	1.50		.54	31	.0	0		5	1	0	
TIOGA 1 E		65.4	38.9	52.2		86	31	24	1	408	0	0	9	0	.84		.26	11	.0	0		3	0	0	
WILLISTON WB CITY	//R	66.2	44.6	55.4	0.8	88	30	31	1	321	0	0	2	0	.58	- 1.08	.28	10	.1	0	9	2	0	0	
WILLISTON EXP FARM		67.2	41.3	54.3		86	30+	24	2	348	0	0	3	0	.79		.21	5	.0	0		3	0	0	
DIVISION			52.5	- 0.7											1.09	- .81	T								
NORTH CENTRAL DIVISION																									
BELCOURT INOIAN RES		64.7	34.5	49.6		84	30	11	1	471	0	0	11	0	1.24		.56	6	1.0	0		4	1	0	
BOTTINEAU		65.0	38.8	51.9	- 1.5	87	31	18	1	413	0	0	8	0	1.18	.79	.57	6	.0	0		4	1	0	
ORAKE		65.1	38.5	51.8	- 2.2	89	31	19	2+	414	0	0	5	0	1.25	.59	.55	6	.0	0		4	1	0	
GRANVILLE		68.3	37.9	53.1	- 2.2	88	30	18	1	376	0	0	7	0	1.66	.38	.60	31+	.0	0		6	2	0	
LEEDS		68.4	36.7	52.6		86	21	14	1	391	0	0	11	0	1.24		.47	6	.0	0		5	0	0	
MAODOCK AGRI SCHOOL		68.7	36.3	52.5	- 1.7	88	30	18	1	389	0	0	9	0	1.07	.94	.69	6	.0	0		3	1	0	
ROLLA		65.4	37.1	51.3		86	30	19	1	429	0	0	10	0	1.53		.49	6	.0	0		5	0	0	
RUGBY		68.3	38.7	53.5		86	29	19	1	360	0	0	8	0	1.04	.72	.54	6	.0	0		4	1	0	
SAN HAVEN		65.7	39.1	52.4	- 0.7	85	30	20	1	389	0	0	8	0	1.18	.74	.53	6	.4	10		5	1	0	
TOWNER		69.4	38.0	53.7	- 0.8	88	30	17	1	359	0	0	8	0	1.16	.82	.67	6	.0	0		4	1	0	
UPHAM 3 N		68.3	37.2	52.8		89	30	15	1	382	0	0	7	0	2.09		.70	31	.0	0		6	2	0	
VELVA		67.8	37.9	52.9	- 2.4	90	30	18	1	383	1	0	8	0	1.33	.83	.45	6	.0	0		6	0	0	
WESTHOPE		67.1	38.5	52.8	- 1.5	88	30	20	1	384	0	0	6	0	2.00		.91	31	.0	0		5	2	0	
WILLOW CITY		67.5	33.7	50.6	- 2.5	87	30	14	1	445	0	0	15	0	1.14	.67	.53	6	.0	0		5	1	0	
DIVISION			52.3	- 1.4											1.37	- .60	.1								
NORTHEAST DIVISION																									
ARVILLA STATE PARK		70.2	36.1	53.2		87	30+	18	2	374	0	0	10	0	.82		.60	6	.0	0		2	1	0	
BISBEE		66.6	36.3	51.5		86	30	19	1	422	0	0	9	0	.99		.49	6	1.0	1	10		4	0	0
CAVALIER		69.8	38.8	54.3		88	30+	23	1	349	0	0	9	0	2.02		1.43	31	.0	0		3	1	1	
DEVILS LAKE WB CITY	R	65.3	38.0	51.7	- 1.3	85	21	21	1	413	0	0	6	0	.83	- 1.30	.48	6	.2	10+		3	0	0	
EDMORE 1 N		67.5	33.4	50.5		84	30	15	1	452	0	0	15	0			.0								
GRAFTON		70.5M	36.9M	53.7M	- 1.7	88	30	23	1	365	0	0	8	0	.74	- 1.12	.53	6	.0	0		2	1	0	
GRAND FORKS FAA AIRPORT	R	68.9	37.2	53.1		90	31	23	2+	380	1	0	11	0	.75		.53	6	.0	0		2	1	0	
GRAND FORKS UNIVERSITY		69.6	39.3	54.5	- 0.4	90	31	22	2+	334	1	0	6	0	.81	- 1.52	.66	6	.0	0		2	1	0	
HANNAH		66.6M	34.1M	50.4M		87	30+	16	1	467	0	0	14	0	2.29	.23	1.61	31	.0	0		3	1	1	
HANSROD 3 W	M					88	30				0	0	0	0			.0								
LANGOON EXP FARM		68.1	33.8	51.0	- 1.5	87	30	15	1	438	0	0	15	0	1.10	.85	.50	6	.2	0		3	1	0	
LARIMORE		68.2	37.4	52.8	- 1.8	85	31+	21	1	383	0	0	11	0	.79	- 1.42	.50	6	.0	0		2	1	0	
MC VILLE		67.4	36.5	52.0		85	30	16	1	405	0	0	10	0	.93		.66	6	.0	0		2	1	0	
MUNICH 4 SW		66.8	34.7	50.8		85	30+	17	1	436	0	0	14	0	1.30		.61	31	.0	8		3	1	0	
PARK RIVER		70.6	38.1	54.4	0.2	88	30+	21	1	347	0	0	8	0	.62	- 1.17	.47	6	.0	0		2	0	0	
PERRINA		72.3	37.1	54.7		89	20	19	1	334	0	0	11	0	.49	- 1.40	.34	6	.0	0		1	0	0	
PETERSBURG		66.3	36.5	51.4		84	30	17	1	422	0	0	9	0	.83	- 1.20	.64	6	1.0	0		2	1	0	
DIVISION			52.5	- 0.9											1.02	- .97	.1								
WEST CENTRAL DIVISION																									
BEULAH		69.4M	41.1M	55.3M		94	30	19	1	321	1	0	5	0	.64		.28	5	.0	0		3	0	0	
RUTTE		64.8M	38.7	51.8M		87	31	18	1	417	0	0	6	0			.0								
CENTER		67.4	38.0	52.7		89	30	17	1	388	0	0	9	0	.88		.47	5	.0	0		4	0	0	
QUINN CENTER 2 SW		63.2	39.5	51.4	- 1.7	88	31	21	1	433	0	0	5	0	.91	- 1.08	.39	5	.0	0	2+	4	0	0	
GARRISON		63.6M	39.8	51.7M	- 2.5			20	1	424	0	0	4	0	1.24	.81	.64	6	.0	0		3	1	0	
KEENE 2 S		68.6	40.3	54.5		90	30	26	2	336	1	0	3	0	.75		.17	11+	.0	0		4	0	0	
MAX		64.1	38.5	51.3	- 1.9	88	31	19	1	430	0	0	7	0	1.32	.87	.48	6	.0	0		3	0	0	
RAUB 10 SSW		67.1M	40.8M	54.0M		89	30	20	9	352	0	0	3	0	1.12		.35	5	.0	0		3	0	0	
RIVEROALE	//	64.6	38.5	51.6		90	31	20	1	422	1	0	6	0	.67		.26	6	.0	0		3	0	0	

CLIMATOLOGICAL DATA

NORTH DAKOTA
MAY 1961

CONTINUED

Station	Temperature											Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
																		Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										Max.	Min.	Max.	Min.										
90° or Above	Below	31° or Below	0° or Below																				
TURTLE LAKE	67.3	39.1	53.2		88	31+	20	1	374	0	0	5	0	1.34		.58	6	T	0		5	1	0
UNDERWOOD 4 ESE	66.1	38.1	52.1		90	30	18	1	411	1	0	7	0	1.34		.52	6	.0	0		5	1	0
WASHBURN	66.1	39.9	53.0	- 2.9	90	30	21	1	380	1	0	7	0	1.28	- .47	.35	6	.0	0		5	0	0
WATFORD CITY	68.8	41.6	55.2	0.1	91	30	26	1	323	1	0	2	0	.46	- 1.39	.15	30+	.0	0		2	0	0
WATFORD CITY 14 S	69.1	42.5	55.8		92	30	25	1	299	1	0	2	0	.47		.18	5	.0	0		3	0	0
WILTON	66.4	38.8	52.6		88	30	20	1	392	0	0	7	0	1.05		.50	6	.0	0		3	1	0
DIVISION			53.1	- 1.0										.96	- 1.05			T					
CENTRAL DIVISION																							
CARRINGTON	64.0	36.3	50.2	- 3.0	85	22	18	1	461	0	0	11	0	.93	- 1.36	.61	6	.0	0		3	1	0
FESSENDEN	68.6	37.0	52.8	- 1.4	85	30	22	2	378	0	0	10	0	1.36	- .78	.73	6	.0	0		3	1	0
FARGO WB AIRPORT	66.0	37.3	51.7		84	21	19	1	409	0	0	7	0	.90		.41	6	.0	0		3	0	0
JAMESTOWN STATE HOSP	66.7	38.4	52.6	- 2.6	83	31+	21	1	380	0	0	4	0	.92	- 1.27	.62	6	.0	0		3	1	0
KENSAL WILDLIFE REFUGE	69.5M	36.3	52.9M		85	21	16	1	370	0	0	8	0	.85		.57	6	.0	0		3	1	0
MC CLUSKY	67.3	37.4	52.4	- 1.9	89	30	17	1	392	0	0	10	0	1.43	- .89	.66	6	.0	0		4	1	0
MC HENRY 5 N	67.3	35.3	51.3		86	21	17	1	420	0	0	10	0	.85		.41	6	.0	0		2	0	0
PETTERBONE	65.3	36.0	50.7	- 3.4	83	30	15	1	440	0	0	8	0	.95	- 1.16	.40	6	.0	0		3	0	0
STEELE	67.8	39.3	53.6	- 0.7	85	30	24	3	358	0	0	6	0	.94	- 1.32	.46	6	.0	0		3	0	0
TUTTLE	67.6	36.5	52.1		87	30	17	1	402	0	0	11	0	1.33		.63	6	T	T	4+	5	1	0
DIVISION			52.0	- 1.8										1.05	- 1.22			T					
EAST CENTRAL DIVISION																							
AMENIA	68.8M	38.7M	53.8M		88	31	23	1	353	0	0	0	0	1.96		1.03	6	.0	0		4	1	1
COOPERSTOWN	67.8	36.9	52.4		83	31+	17	1	383	0	0	9	0	.93	- 1.43	.56	6	.0	0		2	1	0
FARGO WB AIRPORT	67.2	39.2	53.2	- 1.8	90	31	20	2	375	1	0	8	0	2.71	.54	.93	14	T	T	10	5	2	0
HILLSBORO	69.2	38.0	53.6	- 1.8	89	31	22	1	354	0	0	6	0	1.31	- 1.11	.80	6	.0	0		3	1	0
MAYVILLE	68.1	37.8	53.0	- 2.7	88	31	21	1	373	0	0	6	0	1.20	- 1.07	.77	6	.0	0		2	1	0
SHARON	66.9	37.2	52.1	- 1.7	82	31+	21	1	397	0	0	9	0	1.28	- 1.36	.70	6	.0	0		3	1	0
VALLEY CITY	68.7M	39.1M	53.9M	- 2.2	86	21	18	2	327	0	0	0	0	.72	- 1.63	.38	6	.0	0		2	0	0
DIVISION			53.1	- 2.1										1.44	- 1.00			T					
SOUTHWEST DIVISION																							
AMIOON	62.5M	39.7	51.1M		85	31	27	1	432	0	0	3	0	3.56		1.39	24	.0	0		7	2	1
BEACH	64.4	41.0	52.7		87	31	29	1	387	0	0	3	0	1.05		.49	24	.0	0		4	0	0
BELFIELD	64.5	41.0	52.8		87	30	24	1	382	0	0	2	0	1.53		.33	19	.0	0		6	0	0
BOHMAN COURT HOUSE	63.3	41.7	52.5	- 1.7	83	30	32	1	386	0	0	1	0	2.11		.80	16	.0	0		6	1	0
DICKINSON FAA AIRPORT	64.7	40.5	52.6		89	30	22	1	390	0	0	3	0	1.19		.24	16+	T	0		5	0	0
DICKINSON EXP STATION	65.1	39.9	52.5	- 0.6	90	31	21	1	395	1	0	4	0	1.44	- .57	.27	17+	.0	0		5	0	0
FAIRFIELD	64.3	41.2M	52.8M		87	30	24	1	389	0	0	1	0	.97		.44	5	.0	0		2	0	0
HETTINGER	64.2	40.9M	52.6M	- 2.4	84	30	24	1	388	0	0	3	0	2.41	.30	.59	16	.0	0		7	2	0
MARMARTH	65.9	40.9	53.4	- 2.1	87	31	22	1	367	0	0	4	0	1.83	- .09	.85	17	T	0		5	1	0
MEORA 3 NNE	67.8M	38.6	53.2M		85	30+	17	1	359	0	0	9	0	1.08		.63	23	.0	0		4	1	0
MOTT	64.9	38.4	51.7	- 3.3	88	30	18	1	414	0	0	7	0	1.92	.02	.37	24	.0	0		6	0	0
NEW ENGLAND	64.8	39.5	52.2	- 2.6	87	30	23	1	396	0	0	2	0	2.57	.69	.62	24	.0	0		7	1	0
RICHARDSON ARREY	66.2	40.7	53.5	- 0.9	90	30	24	1	365	1	0	3	0	1.44	- .58	.38	5	.0	T	2+	6	0	0
ROTTERS 3 S	66.2	41.0	53.6		90	30	25	1	363	1	0	2	0	1.15	- .69	.43	31	.0	0		4	0	0
DIVISION			52.6	- 1.7										1.78	- .17			T					
SOUTH CENTRAL DIVISION																							
ALMONT 7 SW	66.4	40.8	53.6		89	30	22	1	362	0	0	3	0	1.59		.56	5	1.5	0		6	1	0
RISMARCK WB AIRPORT	67.9	40.6	54.3	- 0.5	92	30	20	1	344	1	0	5	0	.80	- 1.14	.29	5	T	0		3	0	0
RREIEN	68.6	39.0M	53.8M		89	30	19	1	348	0	0	6	0	1.05		.45	17	.0	0		3	0	0
CARSON	64.6M	39.3	52.0M	- 2.8	83	31+	19	1	406	0	0	5	0	1.98	- .38	.71	5	.0	0		5	1	0
FORT YATES	69.2	39.8M	54.5M	- 2.2	89	30	26	9	339	0	0	7	0	.97	- 1.13	.28	17	.0	0		4	0	0
LINTON	68.2		M		89	30				0	0	0		1.59	- .46	.56	6	.0	0		3	2	0
MANDAN EXP STATION	64.8	39.8	52.3	- 2.9	90	31	20	1	396	1	0	7	0	.97	- .98	.41	6	.0	0		4	0	0
MANDAN FT LINCOLN PARK	70.2	37.5M	53.9M		92	30	17	1	357	1	0	6	0	.79		.27	6	.0	0		3	0	0
MOFFIT 4 SE	67.2M	38.6M	52.9M		89	30	24	26+	379	0	0	8	0	1.17		.42	6	T	0		4	0	0
NEW SALEM 1 SE	65.6	39.7	52.7	- 1.9	91	30	23	1	388	1	0	4	0	1.20	- .82	.52	5	.0	0		5	1	0
DIVISION			53.3	- 2.2										1.21	- .85			.2					
SOUTHEAST DIVISION																							
ASHLEY	63.9	37.1	50.5	- 3.9	82	31	15	1	449	0	0	9	0	1.80	- .18	.61	17	.0	0		5	1	0
EGGLEY EXP FARM	63.5M	37.3	50.4M	- 4.5	78	31+	17	1	450	0	0	8	0	2.46	.08	.85	25	.0	0		7	1	0
ELLENDALE	66.5	39.7	53.1	- 2.7	87	31	20	1	368	0	0	4	0	2.37	.15	.65	17+	.0	0		5	2	0
ENDERLIN	64.2	36.8	50.5		82	22	22	2+	445	0	0	9	0	2.15		1.07	6	.0	0		6	1	1
FORMAN	66.9M	40.0M	53.5M		84	31	22	1	354	0	0	6	0	2.68	.13	1.34	6	.0	0		7	1	1
FULLERTON	66.8	37.6	52.2	- 3.9	86	31	18	1	397	0	0	8	0	2.64	.13	.57	14	.0	0		7	1	0
GACKLE	65.8	38.7	52.3		82	31	18	1	395	0	0	7	0	1.25		.59	6	.0	0		4	1	0
GRAND RAPIDS 1 N	69.2	38.0	53.6		87	31	17	1	353	0	0	6	0	1.59		.65	6	.0	0		5	1	0
HANKINSON R R STATION	63.0	38.8	50.9	- 5.6	78	31+	+</																

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See reference notes following Station Index.
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DAILY PRECIPITATION

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Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
POWERS LAKE 1 N	.71				.30	.11	.13		.09		.16	.22				T		.40	.02	.45	.04										T		
PRETTY ROCK	2.05				.35	.05		.02					.12	T																			.32
RAUB 10 SSW	1.12				.37	.25	.10	.17			.18							.58	.29		.11										T		
REEDER	2.13				T	.50	.04						.38					.38	.23		.10												.57
REEDER 14 N	2.08																																
RICHAROTON ABBEY	1.44				.10	.38	.22	.03	T				.02				T	.23	.13		.22												.03
RIVERDALE	.67				.07	.26	.10	.07	T				.17	T																			.38
ROLLA	1.53				.18	.49	.05	T					.20	.23																			.12
RUGBY	1.04				.07	.54	.01	T					.14	.16																			.46
RYOER	1.47				*	.57	T	.17	T				.27																				
SAN HAVEN	1.18					.18	.53		.17	.02			.11	.15																			.02
SELFRIEGE 5 W	1.34					.44	.09											.37	.38														.06
SENTINEL BUTTE 20 S	1.17				T	.30							.15					.60	.06														.06
SHARON	1.28					.05	.70						.35	.05																			.13
SHERWOOD 3 N	1.23					.33	.37	.25					.12	.15																			.01
SHIELDS	1.29				.30	.40	.05											.18	.36														.54
STANLEY	1.50				T	.35	.09	.14	T	T			.12	.26																			.06
STEELE	.94				.19	.46	.03	T	T				.24	T					.08		.12	T											.70
SYKESTON	.96				.05	.52	.15						.15	.18																			
TAGUS	1.70				.28	.22	.11	.01					.05			.05																	
TIOGA 1 E	.84				.07	.15	.04	.04	.05				.09	.26																			.03
TOWNER	1.16				.08	.67	.16	.11					.06	T																			.03
TROTTERS 3 S	1.15				.37	.01	.11	.01					.23					.02															.43
TURTLE LAKE	1.34				.17	.58	.05	.02	.02				.23																				.01
TUTTLE	1.33				.28	.63	.10	.06	T				.16																				.10
UNDERWOOD 4 ESE	1.34				.22	.52	.03	T					.18																				.22
UPHAM 3 N	2.09				.12	.63	.30						.17	.17																			.70
VALLEY CITY	.72				.15	.38	.05						.07																				
VELVA	1.33				.20	.45	.13	.01					.12	.11	.25	.23	.18																.31
VERONA	1.85				.25	.64																											
WAMPETON	2.22				.81								.08	.22			.91		.15	.05													.62
WALHALLA	1.15					.38							.15																				.17
WARWICK	.76				.05	.43	.04						.07																				.25
WASHBURN	1.28				.22	.35	.03						.20						.68	.03													
WATAUGA 5 OAKOTA 8 N	1.60				.28	.49	T																										
WATFORD CITY	.46				T	.15							.08	T																			.15
WATFORD CITY 14 S	.47					.18		.11	T				.12																				.08
WESTHOPE	2.00				.13	.50	.03	T		T			.19	.24																			.91
WILOROSE	.72				.22	.08	.05	.04					.14	.19																			.03
WILLISTON WB CITY	.58				T	.22		T		.05		.28				T																	
WILLISTON EXP FARM	.79				.02	.21		.02		.02			.18	.18		.07																	.07
WILLOW CITY	1.14					.10	.53	.14	.03				.17	.17																			.05
WILTON	1.05					.25	.50						.15								.02												
WISHEK	1.45					.15	.62	.08					.04					.32	.18		.06												
WOODWORTH	.73					.14	.40	T					.19																				

DAILY TEMPERATURES

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX MIN	56 22	60 30	60 35	52 39	45 37	63 37	60 39	51 36	54 28	74 35	73 39	63 45	66 39	66 36	62 39	52 33	55 37	61 36	57 45	70 46	76 47	76 51	75 50	79 50	67 39	71 39	81 41	86 50	82 55	87 57	75 50	66.4 40.8
AMENIA	MAX MIN	56 23	55 25	69 26	63 41	58 41	70 46	68 47	63 39	47 28	74 35	73 43	70 45	69 43	65 43	59 43	57 29	57 41	65 32	64 36	79 39	81 51	77 42	78 38	75 45	69 41	69 34	80 36	79 45	78 35	82 42	88 59	68.8 38.7
AMIOON	MAX MIN	54 27	57 29	60 34	47 36	40 32	57 33	58 35	51 34	50 36	66 34	74 42	78 42	55 44	65 36	35 35	60 37	45 35	58 33	52 42	57 45	68 45	72 46	73 51	74 45	75 41	67 35	81 42	80 49	81 51	82 54	85 51	62.5 39.7
ARVILLA STATE PARK	MAX MIN	50 19	54 18	67 23	70 23	61 42	53 40	72 39	56 38	51 25	51 31	74 37	61 35	68 32	68 36	59 41	60 22	63 34	70 29	74 41	87 46	87 46	83 44	84 44	82 40	81 36	77 25	78 40	78 45	85 41	87 46	86 60	70.2 36.1
ASHLEY	MAX MIN	52 15	52 28	59 27	56 28	52 38	65 41	65 31	50 32	72 32	74 36	59 39	64 39	61 38	64 41	64 34	52 34	51 37	57 42	53 38	69 41	75 43	71 47	72 43	70 49	60 40	67 40	71 42	79 44	76 44	80 51	82 57	63.9 37.1
BEACH	MAX MIN	55 29	60 33	60 37	50 37	41 34	47 31	61 35	57 36	53 35	67 36	75 42	68 45	60 43	65 40	67 30	60 41	41 36	50 35	56 42	63 39	70 50	75 50	73 44	72 44	75 42	65 44	75 42	82 48	84 58	87 57	87 52	64.4 41.0
BELCOURT INDIAN RES	MAX MIN	47 11	47 26	58 29	61 35	60 41	64 37	61 28	49 29	46 24	63 30	64 33	64 36	61 29	65 36	63 36	55 26	59 35	65 28	68 34	78 43	81 47	79 45	76 35	76 36	67 33	68 23	78 38	78 43	81 42	84 47	79 55	64.7 34.5
BELFIELD	MAX MIN	59 24	55 30	55 34	46 35	45 34	61 35	56 35	61 36	72 34	70 40	60 42	67 43	65 41	63 39	52 41	53 36	55 43	56 43	68 43	72 35	74 46	71 45	75 45	67 42	71 44	79 50	85 51	82 55	87 54	88 56	64.5 41.0	
BEULAH	MAX MIN	58 19	59 32	63 33	56 39	47 39	63 39	51 43	51 38	71 36	72 40	69 49	71 38	71 36	64 45	55 38	64 41	67 32	64 45	75 35	81 47	81 49	80 48	81 59	77 45	77 45	85 45	85 32	86 42	88 48	94 61	69.4 41.1	
BISBEE	MAX MIN	49 19	51 24	61 26	65 31	55 42	49 39	61 33	47 32	48 28	45 31	66 34	65 33	64 38	67 33	64 38	58 26	62 33	69 34	71 37	82 49	85 49	81 48	79 41	79 42	60 35	73 30	83 39	73 43	84 38	86 44	83 56	66.6 36.3
BISMARCK WB AIRPORT	MAX MIN	54 20	58 30	60 34	53 29	48 34	64 40	65 35	52 32	53 27	72 33	75 42	61 43	69 39	70 44	64 39	51 38	60 40	65 33	57 48	74 39	80 45	79 48	78 49	82 54	66 42	73 42	85 47	84 50	84 55	92 59	78 54	67.9 40.6
BOTTINEAU	MAX MIN	43 18	51 28	53 32	62 40	65 34	66 39	54 34	59 39	39 30	48 32	45 33	66 38	66 34	67 35	67 40	53 30	59 34	62 37	67 35	72 49	80 52	84 52	83 47	79 47	81 37	63 42	72 41	82 49	75 47	85 55	87 52	65.0 38.8
BOWBELLS	MAX MIN	50 20	57 23	53 25	60 34	58 39	44 39	61 36	56 31	42 28	42 32	66 32	66 34	64 32	68 37	71 40	59 34	60 27	64 31	69 37	75 43	81 44	81 51	79 47	81 44	67 34	73 44	81 44	83 44	79 44	87 59	89 55	66.1 37.1
BOWMAN COURT HOUSE	MAX MIN	59 32	60 37	46 36	39 33	44 36	57 34	56 39	55 36	68 36	76 45	70 46	57 44	62 39	65 42	61 36	49 35	46 34	51 36	56 42	62 46	71 48	73 49	75 42	75 48	64 49	72 45	77 48	82 52	78 54	83 51	73 55	63.3 41.7
BREIEN	MAX MIN	55 19	60 30	61 34	58 38	47 39	64 44	63 38	58 39	56 26	76 37	75 40	72 50	67 37	68 40	64 37	58 35	54 38	62 30	59 45	72 43	78 48	77 45	78 48	72 43	80 48	84 43	83 27	89 42	88 44	81 50	68.6 39.0	
BUTTE	MAX MIN	46 18	51 28	53 25	59 36	40 40	59 40	61 36	39 28	39 33	44 35	48 43	69 42	60 35	66 35	66 41	55 32	55 30	61 35	67 37	66 43	77 47	81 51	80 44	77 49	79 36	63 45	72 48	82 45	78 48	83 61	87 54	64.8 38.7
CARRINGTON	MAX MIN	40 18	50 21	53 22	61 29	64 38	45 41	57 32	64 34	41 32	45 32	52 35	69 37	52 36	66 41	67 36	56 26	55 32	60 30	68 42	77 46	77 46	85 48	79 45	78 42	79 37	82 40	71 47	83 47	77 46	82 56	83 53	64.0 36.3
CARSON	MAX MIN	53 19	58 29	58 31	59 37	45 37	66 36	62 34	63 43	53 30	57 34	74 36	74 42	65 38	64 40	68 34	62 33	45 35	53 31	60 44	55 43	69 46	75 49	75 50	74 47	78 40	65 34	70 45	80 46	83 50	81 59	83 53	64.6 39.3
CAVALIER	MAX MIN	50 23	53 26	64 29	69 34	64 41	51 41	69 31	63 36	51 27	55 31	70 42	64 38	66 32	68 44	62 38	58 26	64 32	72 46	76 46	88 55	86 48	84 47	83 46	83 54	64 35	74 47	85 47	75 43	82 35	88 45	82 65	69.8 38.8
CENTER	MAX MIN	55 17	57 30	60 26	56 32	52 31	61 39	63 35	49 35	50 25	68 35	71 38	62 45	67 35	66 38	64 41	54 32	60 38	65 29	74 45	78 34	78 43	76 43	79 59	73 40	72 29	85 40	86 46	82 46	89 56	80 52	67.4 38.0	
COOPERSTOWN	MAX MIN	54 17	52 23	62 25	65 32	62 45	53 39	66 35	58 32	46 29	51 35	74 40	60 36	66 33	65 39	59 41	56 27	60 40	68 36	80 48	83 43	78 48	78 42	77 48	75 41	71 29	82 39	79 49	80 49	82 41	83 47	67.8 36.9	
CROSBY	MAX MIN	57 22	55 28	60 30	55 37	48 39	61 36	58 33	45 30	42 28	49 32	65 46	63 34	68 35	71 43	66 40	61 39	63 30	67 32	74 35	78 42	82 42	81 42	78 42	80 42	77 35	77 35	83 45	84 48	88 57	89 57	87 37.1	
DEVILS LAKE WB CITY	MAX MIN	48 21	51 24	61 26	65 33	52 42	61 39	63 33	41 29	46 29	66 33	69 36	61 42	65 36	67 43	53 33	57 27	61 37	68 35	81 42	85 35	79 45	78 51	79 45	61 46	71 35	82 46	73 44	82 41	84 48	76 59	65.3 38.0	
DICKINSON FAA AIRPORT	MAX MIN	58 22	60 30	56 32	42 36	44 35	61 39	58 35	51 36	62 42	73 32	73 41	57 44	66 33	70 41	68 35	46 38	56 31	58 44	69 44	72 49	72 49	77 45	72 41	77 47	63 39	71 47	81 47	84 39	80 46	79 51	70 51	64.7 40.5
DICKINSON EXP STATION	MAX MIN	52 21	58 29	60 33	59 37	43 36	46 38	63 35	58 32	48 30	61 33	73 41	70 44	66 31	60 41	68 35	58 34	42 35	56 31	59 44	57 34	77 49	74 49	76 41	74 47	64 39	64 35	72 47	80 46	84 56	83 51	90 39.9	
DRAKE	MAX MIN	46 19	52 19	53 24	61 38	62 42	45 41	62 35	60 35	42 30	44 33	47 35	71 42	61 37	66 42	68 43	54 32	56 34	63 38	67 43	79 47	84 52	78 44	78 48	79 47	66 43	79 33	66 43	83 47	78 46	89 52	65.1 38.5	
DUNN CENTER 2 SW	MAX MIN	50 21	56 30	59 36	61 37	45 39	47 37	63 35	51 32	41 27	46 33	52 40	69 43	61 37	66 41	38 44	58 30	45 34	62 39	56 45	61 42	71 49	77 49	72 50	76 42	64 42	72 38	78 46					

DAILY TEMPERATURES

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX MIN	47 20	52 26	53 29	58 36	55 37	48 41	62 40	60 35	40 29	47 39	70 36	66 40	60 35	63 35	69 36	56 34	53 36	61 40	65 43	71 45	80 50	77 49	76 50	74 42	64 37	71 43	83 50	72 52	88 56	54	63.6 39.8	
GRAFTON	MAX MIN	49 23	53 26	64 28	68 31	66 45	52 41	70 34	67 50	50 34	53 33	72 39	72 42	67 37	67 41	63 41	58 25	64 36	71 29	74 39	87 46	86 48	84 50	82 44	82 44	79 37	72 33	84 43	83 46	31 46	88 50	86 60	70.5 36.9
GRANO FORKS FAA AIRPORT	MAX MIN	51 23	55 23	65 25	70 33	54 47	53 41	48 31	72 50	50 31	54 33	81 41	54 41	69 32	64 38	58 31	61 25	63 40	70 30	71 39	86 42	84 46	81 47	84 42	80 45	65 37	72 29	85 41	76 46	82 50	87 63	90 37	68.9 37.2
GRANO FORKS UNIVERSITY	MAX MIN	50 22	53 22	65 25	68 37	62 48	52 42	71 37	59 38	50 25	52 33	76 40	67 46	69 33	65 40	59 43	59 24	63 40	70 34	71 40	86 45	84 50	80 49	81 46	81 48	76 41	72 31	84 44	78 49	80 35	85 50	90 61	69.6 39.3
GRANO RAPIOS 1 N	MAX MIN	52 17	56 20	65 25	67 32	60 42	66 44	71 34	64 38	54 33	70 36	74 44	72 49	68 38	64 45	68 48	55 28	55 40	65 28	64 40	75 34	84 48	77 42	77 42	71 38	66 42	72 28	82 39	79 42	81 43	87 43	87	69.2 38.0
GRANVILLE	MAX MIN	54 18	55 25	62 23	61 32	53 42	58 41	62 36	48 35	46 27	51 34	69 36	64 40	70 35	68 40	65 42	59 31	63 45	70 31	80 43	84 44	80 45	79 44	82 47	70 41	73 33	83 43	75 45	86 45	88 59	87	68.3 37.9	
GRENORA	MAX MIN	60 23	59 31	58 33	58 39	45 37	64 37	60 30	46 30	47 29	57 33	68 38	64 36	71 43	72 42	63 39	60 40	68 34	74 35	79 39	81 45	81 45	81 47	78 43	81 46	70 36	78 43	83 48	88 48	89 54	78	69.3 39.1	
HANKINSON R R STATION	MAX MIN	46 22	50 24	55 29	63 34	66 35	49 43	61 39	69 35	44 25	47 32	72 42	73 51	59 43	62 44	52 38	60 30	54 34	49 36	57 37	73 43	79 47	74 45	75 46	70 44	62 30	67 41	77 49	78 40	76 46	57	63.0 38.8	
HANNAH	MAX MIN	44 16	54 26	61 23	64 32	61 43	46 39	64 32	46 32	48 22	49 31	69 34	60 34	62 31	67 29	63 34	57 22	67 28	69 30	73 38	84 43	87 47	82 39	79 44	79 44	59 33	72 24	81 38	83 41	87 41	81	66.6 34.1	
HANSBORO	MAX MIN											65 31	61 36	61 32	66 32	61 33	59 25	59 30	69 34	72 38	83 46	85 44	82 48	79 43	79 31	64 41	71 37	81 43	77 47	83 53	88 57	79	
HETTINGER	MAX MIN	57 24	57 29	50 34	43 34	44 34	64 42	60 33	57 40	65 37	70 35	72 42	69 44	62 42	64 39	64 42	47 33	47 32	58 34	58 43	66 46	70 47	72 47	73 50	75 46	63 41	70 40	77 44	80 51	78 53	84 54	74	64.2 40.9
HILLSBORO	MAX MIN	48 22	55 25	64 27	67 32	64 44	54 41	69 39	67 39	49 27	56 33	74 41	67 44	69 34	65 41	61 38	59 28	62 37	69 32	82 40	81 49	78 43	80 43	77 43	75 42	70 34	82 38	80 43	81 43	83 46	89	69.2 38.0	
JAMESTOWN FAA AIRPORT	MAX MIN	52 19	54 21	61 22	63 34	53 42	62 41	65 33	44 36	47 32	62 34	75 38	58 41	69 37	61 42	61 36	53 28	60 37	65 32	59 39	77 42	84 44	77 44	73 43	72 45	63 40	70 29	81 40	78 47	80 39	80 44	82 59	66.0 37.3
JAMESTOWN STATE HOSP	MAX MIN	50 21	53 23	60 23	63 36	60 41	42 42	66 35	57 36	46 33	62 35	73 39	68 45	66 39	63 42	59 41	53 30	58 40	63 33	59 39	77 40	83 44	75 40	77 46	72 47	69 41	70 33	81 43	78 50	80 43	81 48	83	66.7 38.4
KEENE 2 S	MAX MIN	58 28	56 26	59 32	57 37	48 36	61 45	57 34	54 40	53 35	63 34	67 46	69 38	68 45	69 38	59 39	63 34	63 44	68 39	72 42	78 46	79 45	83 47	83 45	79 46	67 36	78 40	80 46	84 48	86 54	90 56	82	68.6 40.3
KENMARE	MAX MIN	48 23	55 23	54 25	59 34	55 38	45 39	60 37	57 31	40 28	42 30	46 33	67 35	63 40	67 40	40 33	57 33	58 35	63 38	67 46	73 47	78 46	80 51	78 47	77 43	81 43	65 43	75 43	83 49	80 54	89	65.1 38.0	
KENSAL WILDLIFE REFUGE	MAX MIN	50 16	53 20	62 25	64 32	61 42	41 41	67 30		33 31	54 33	75 42	72 44	67 39	66 40	60 36	56 28	60 36	67 30	65 37	77 42	85 44	78 46	75 46	70 46	76 43	73 38	83 45	77 48	80 45	81	82	69.5 36.3
LANGDON EXP FARM	MAX MIN	50 15	51 23	60 22	64 31	61 40	46 37	64 32	59 31	48 20	50 30	68 33	64 35	66 29	68 36	63 36	58 20	61 29	69 32	73 35	86 44	85 45	80 35	79 40	81 45	72 38	71 40	82 45	80 38	80 48	87 58	85	68.1 33.8
LARIMORE	MAX MIN	47 21	53 24	63 26	66 29	60 45	52 40	69 32	57 37	48 28	51 32	73 37	70 42	67 36	65 42	60 37	58 25	63 36	70 32	70 36	84 46	83 51	80 47	80 44	77 37	63 36	72 44	83 47	81 47	80 49	85 58	58	68.2 37.4
LEEOS	MAX MIN	52 14	53 19	62 20	65 30	60 44	52 40	62 30	55 34	48 30	46 32	70 35	67 40	67 33	69 41	64 33	58 27	63 31	69 29	70 42	82 44	86 45	81 42	78 46	82 45	72 35	72 26	84 44	82 44	83 52	80	68.4 36.7	
LINTON	MAX MIN	56 16	54 20	62 28	58 34	51 42	64 41	64 30	59 33	55 31	75 43	78 45	69 40	74 40	65 35	64 40	60 33	55 28	62 35	57 38	72 46	79 47	76 48	76 48	66 43	69 38	82 43	84 48	80 45	89 58	82	68.2	
LISBON	MAX MIN	51 19	56 19	63 22	66 28	64 43	63 45	71 36	70 40	46 31	72 37	75 41	75 45	66 40	66 43	61 43	60 29	53 42	62 29	73 37	80 41	79 47	77 44	76 45	62 43	67 31	79 43	78 44	80 43	86 50	80	68.3 37.8	
LOSTWOOD 12 N	MAX MIN	54 21	53 23	58 29	53 37	49 37	57 57	56 33	44 29	40 24	44 33	68 35	61 42	64 36	70 34	67 38	58 25	61 36	65 32	70 34	77 46	79 46	78 48	76 45	76 41	66 34	72 43	81 43	82 51	84 50	86 60	60	65.8 37.2
MAOOCK AGRI SCHOOL	MAX MIN	50 18	53 20	62 26	66 32	66 42	53 40	62 32	52 33	46 30	47 33	68 35	68 42	64 36	68 41	65 41	57 25	62 35	70 31	69 34	80 44	86 48	81 47	80 44	80 45	76 35	74 29	85 43	82 46	86 49	88 54	83	68.7 36.3
MANOAN EXP STATION	MAX MIN	49 20	54 30	56 31	60 35	51 40	46 40	64 34	62 37	50 25	52 32	70 39	73 47	59 39	65 41	65 45	48 38	57 40	63 36	73 42	75 46	73 46	77 49	75 46	78 52	64 42	70 32	80 48	82 49	81 46	90 54	90	64.8 39.8
MANOAN FT LINCOLN PARK	MAX MIN	59 17	65 30	60 28	54 34	59 46	63 40	65 34	61 39	58 39	72 41	76 38	74 40	69 35	68 43	64 37	59 33	61 40	64 39	60 42	67 44	77 48	77 47	78 44	77 41	72 38	83 45	84 44	85 44	82 47	92 56	84	70.2 37.5
MARMARTH	MAX MIN	58 22	63 37	62 34	46 33	43 34	52 29	65 32	59 37	59 40	75 36	80 46	72 47	58 44	64 44	67 45	63 37	40 32	48 32	54 44	62 49	70 45	73 45	73 45	80 45	77 45	67 45	75 45	85 41	84 61	83 47	87	65.9 40.9
MAX	MAX MIN	47 19	53 31	53 29	58 37	53 39	45 40	62																									

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DAILY TEMPERATURES

NORTH DAKOTA
MAY 1961

Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MUNICH 4 SW	MAX 48	49	60	65	62	47	62	51	48	45	68	60	65	70	65	57	61	68	72	83	85	80	79	77	68	72	82	77	81	85	78	68.8	
	MIN 17	22	25	31	43	39	31	32	25	50	35	37	31	31	38	23	31	32	36	43	45	44	41	42	33	28	35	42	37	40	56	34.7	
NAPOLEON	MAX 51	55	60	57	53	62	64	57	50	69	75	69	65	63	60	49	55	62	56	70	80	75	73	72	70	70	82	79	80	85	80	68.1	
	MIN 15	30	25	53	39	41	32	35	23	34	38	48	36	42	33	35	17	29	44	39	45	49	45	50	41	28	45	45	45	57	58	38.6	
NEW ENGLAND	MAX 59	60	58	43	44	63	63	52	62	74	71	61	65	68	61	50	52	53	55	68	72	74	73	75	64	70	80	82	80	87	72	64.8	
	MIN 23	29	35	38	34	35	36	37	35	36	42	45	42	37	40	35	36	34	44	35	45	46	50	35	41	34	43	49	50	54	50	39.5	
NEW SALEM 1 SE	MAX 53	59	51	52	45	61	61	51	53	72	74	68	65	65	60	49	56	61	57	72	76	76	75	78	65	71	80	83	80	91	75	65.6	
	MIN 23	30	36	35	37	39	38	37	28	55	38	39	37	37	42	33	32	36	45	43	42	47	45	52	40	33	42	52	47	58	52	39.7	
NEWTOWN	MAX 93	92	96	55	47	63	59	50	45	55	68	66	68	69	67	55	62	67	66	73	78	77	75	79	76	72	81	83	85	90	75	66.7	
	MIN 22	30	31	39	39	42	37	32	29	34	36	41	39	36	42	34	38	33	36	38	46	50	49	51	38	38	45	50	50	56	57	39.9	
OAKES	MAX 47	50	54	60	63	47	64	71	44	47	71	75	52	63	49	60	54	48	60	55	70	78	73	74	64	60	65	78	76	75	74	62.0	
	MIN 21	23	25	55	42	43	39	39	33	33	45	50	40	42	42	30	38	32	42	39	45	46	44	48	46	44	48	49	42	46	58	39.5	
PARK RIVER	MAX 50	55	65	69	66	50	68	57	49	52	72	71	67	69	61	59	65	71	73	87	88	84	81	83	82	72	85	83	81	88	85	70.6	
	MIN 21	24	27	28	43	40	33	35	25	32	35	40	37	36	40	25	34	33	43	51	51	48	55	47	36	31	49	46	33	44	60	38.1	
PARSHALL	MAX 54	55	58	57	50	62	59	49	49	53	68	68	69	70	69	56	61	65	67	75	79	78	78	80	77	72	82	82	85	89	81	67.6	
	MIN 22	30	31	39	39	42	37	33	27	34	38	41	38	34	42	34	33	30	37	37	43	48	46	48	37	37	44	47	51	57	55	39.1	
PEMBINA	MAX 53	57	68	72	65	53	70	64	54	53	73	69	70	70	64	60	68	74	78	89	88	85	85	80	81	79	84	82	81	88	84	72.3	
	MIN 19	23	26	31	42	44	33	34	29	35	37	38	28	32	40	20	32	30	42	42	49	48	48	46	45	29	84	82	81	88	80	37.1	
PETERSBURG	MAX 47	50	61	65	58	49	65	57	46	47	69	65	64	64	60	55	59	68	67	81	83	78	77	77	66	71	82	79	79	84	81	66.3	
	MIN 17	26	29	32	42	39	35	34	25	31	35	40	34	35	41	25	35	32	37	40	48	47	46	45	35	30	37	37	36	48	58	36.5	
PETTIBONE	MAX 49	51	58	63	55	60	63	56	44	58	70	67	65	64	60	52	58	63	57	72	79	75	74	69	70	72	81	75	80	83	80	65.3	
	MIN 15	22	26	34	40	39	32	34	26	32	35	35	34	36	39	26	37	28	44	36	44	41	45	37	39	36	38	45	40	49	51	36.0	
PORTAL	MAX 48	58	54	62	59	46	60	55	41	45	44	65	62	67	71	58	61	65	69	75	80	82	81	79	80	65	71	82	80			65.2	
	MIN 22	23	27	34		40	37	31	27	32	33	35	34	40	40	33	32	33	37	41	42	51	46	42	33	37	40	43	51			36.9	
POWERS LAKE 1 N	MAX 46	52		56	52	43	62	52	45	41	47	67	63	68	70	56	59	58	62	63	68	78	78	77	78	64	78	82	80	82	87	63.8	
	MIN 23	26	30	34	36	38	36	30	25	30	33	35	33	40	40	35	27	33	34	40	50	59	47	45	35	34			50	53	55	37.4	
RAUB 10 SSW	MAX 55	54	60	48	47	61	60	48	55	64			70	69	60	53	62	65	65	74	79	77			81	76	77	81	83	85	89	80	67.1
	MIN 23	27	33	39	40	42	39	33	20	38			39	37	36	40	39	38	42	44	48	52			51	38	43	48	49	54	57	54	40.8
RICHAROTON ABBEY	MAX 57	58	58	54	44	62	61	49	55	71	71	67	65	67	65	54	56	59	60	69	75	74	73	75	73	71	79	83	81	90	77	66.2	
	MIN 24	29	34	39	36	39	37	34	30	34	40	44	42	39	41	33	36	35	44	39	46	49	48	48	39	38	45	53	57	56	53	40.7	
RIVEROALE	MAX 47	53	55	58	52	45	60	60	48	47	64	67	62	67	67	58	50	61	64	61	72	80	78	76	80	64	71	82	80	83	90	64.6	
	MIN 20	32	29	37	37	39	36	35	27	31	36	44	37	35	36	33	38	32	34	41	43	48	45	52	39	35	42	37	49	57		38.5	
ROLLA	MAX 48	48	60	64	57	47	62	43	48	44	66	63	62	66	63	57	60	68	71	81	84	81	77	78	60	70	80	73	82	86	78	65.4	
	MIN 19	24	26	32	42	39	35	31	25	31	35	37	35	33	38	27	33	32	40	45	53	51	44	44	33	32	46	41	41	48	58	37.1	
RUGBY	MAX 52	54	58	65	61	52	62	55	47	44	69	68	68	69	67	59	64	69	70	80	85	82	78	81	75	72	80	84	86	83	78	68.3	
	MIN 19	24	26	40	44	40	36	32	30	32	36	40	37	36	42	29	34	35	39	44	49	52	46	47	36	32	47	47	46	55	47	38.7	
SAN HAVEN	MAX 50	49	59	63	59	47	61	47	47	44	66	64	65	68	60	56	61	66	70	79	82	80	76	78	64	69	80	79	83	85	79	65.7	
	MIN 20	28	32	42	42	38	36	30	27	31	35	39	37	40	38	29	38	41	35	44	52	52	45	51	35	31	43	48	46	51	56	39.1	
SHARON	MAX 49	53	62	67	59	52	65	57	46	51	71	70	66	64	58	57	60	67	66	80	82	75	75	77	74	69	80	77	82	82	82	66.9	
	MIN 21	24	27	30	42	39	33	34	27	32	37	41	35	38	41	25	39	32	36	40	46	50	42	45	37	31	39	47	35	50	57	37.2	
STANLEY	MAX 53	53	57	54	48	61	57	48	42	48	66	64	67	69	61	54	61	64	69	75	78	79	75	79	75	71	83	80	83	88	78	65.8	
	MIN 21	31	28	35	38	40	35	32	26	33	38	38	38	37	39	36	30	38	35	40	43	48	44	46	35	35	42	45	49	56	56	38.3	
STEELE	MAX 51	55	60	58	55	61																											

DAILY TEMPERATURES

Continued

NORTH DAKOTA
MAY 1961

Station		Day Of Month																															MAY 1961
																																	Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	52	53	59	57	50	59	61	46	46	64	70	64	65	66	60	56	60	65	62	73	78	76	75	78	75	70	83	83	81	88	82	66.4
	MIN	20	30	27	31	37	38	35	32	24	34	37	43	40	36	43	32	37	38	44	34	44	48	45	53	38	34	41	50	47	56	54	38.8
WISHEK	MAX		54	56	59	57	46	65	64	45	50	69	72	62	66	61	64	49	54	60	55	70	79	74	74	73	64	69	78	80	79	81	64.3
	MIN		28	24	28	40	40	30	36	23	33	40	41	35	35	34	30	36	26	39	40	38	44	40	50	40	24	38	40	41	48	60	36.7

EVAPORATION AND WIND

Station		Day of month																															Total or Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DEVILS LAKE WB CITY	EVAP	.15	.20	.18	.24	.08	.00	.13	.18	.09	.03	.16	.17	.13	.18	.26	.22	.22	.19	.16	.23	.24	.42	.26	.26	.31	.24	.23	.31	.29	.18	.12	6.00
	WIND	32	48	51	57	92	72	62	125	48	91	104	42	29	48	67	42	63	27	61	64	29	33	38	33	65	27	31	29	44	64	60	1678
DICKINSON EXP STATION	EVAP	*	*	.79	.20	.13	.11	.08	.15	.10	.22	.29	.24	.10	.13	.16	.31	-	.14	.13	.19	.16	.25	.40	.29	.20	.20	-	.24	.40	.41	.29	B 6.75
	WIND	70	180	240	230	260	90	75	185	115	175	180	60	60	50	100	150	170	70	150	20	150	150	195	175	120	80	160	70	70	290	130	4220
	MAX	-	-	67	61	45	46	70	62	57	63	74	77	70	88	72	69	44	63	65	61	78	75	78	72	82	77	76	83	88	81	83	69.2
	MIN	-	-	30	33	38	38	43	38	36	37	43	48	48	45	43	40	38	39	45	44	47	52	51	50	45	38	40	49	46	53	54	43.1
EDGELEY EXP FARM	EVAP	.10	.19	.20	.27	.21	.05	-	.27	.09	.13	.26	.35	.12	.37	.12	.32	.05	.07	.18	.03	.19	.25	.27	.23	.20	.43	.24	.25	.39	.22	.27	8 6.53
	WIND	93	57	66	66	145	98	68	100	99	112	114	123	184	214	134	156	86	62	49	54	37	37	55	75	124	122	40	62	62	64	83	2841
MANDAN EXP STATION (A)	EVAP	.16	.18	.25	.19	.05	.00	.06	.16	.15	.11	.17	.17	.10	.20	.17	.21	.09	.10	.13	.09	.10	.15	.25	.28	.29	.25	.17	.23	.29	.36	.17	5.28
	WIND	114	121	213	140	222	133	63	239	147	196	253	133	108	165	153	180	173	72	101	31	75	102	113	181	198	108	103	75	97	200	140	4349
RIVERDALE	EVAP	-	.21	.20	.18	.17	.12	.20	.16	.18	.19	.30	.24	.15	.15	.21	.26	.19	.17	.23	.16	.20	.39	.36	.37	.38	.21	.29	.24	.31	.41	.40	B 7.47
	WIND	109	116	209	145	181	122	92	192	99	155	229	108	70	100	95	134	107	84	78	57	77	108	115	151	152	90	96	86	139	181	151	3828
	MAX	-	-	-	-	52	44	66	61	58	48	65	69	69	74	72	68	54	69	70	75	76	82	77	75	79	68	71	76	79	80	84	68.9
	MIN	-	-	-	-	38	39	40	36	34	32	36	43	43	38	39	34	34	36	43	45	47	46	46	51	42	38	41	47	45	57	55	41.7
WILLISTON EXP FARM	EVAP	.15	.32	.32	.13	.00	.14	.25	.12	.02	.15	.26	.21	.20	.25	.18	.27	.19	.29	.26	-	.30	.32	.36	.29	.33	.15	.38	.29	.62	.53	.32	B 7.85
	WIND	67	150	171	157	133	32	158	170	80	100	155	39	31	39	84	75	70	48	23	43	91	74	70	32	86	55	22	8	60	39	78	2420
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

SNOWFALL AND SNOW ON GROUND

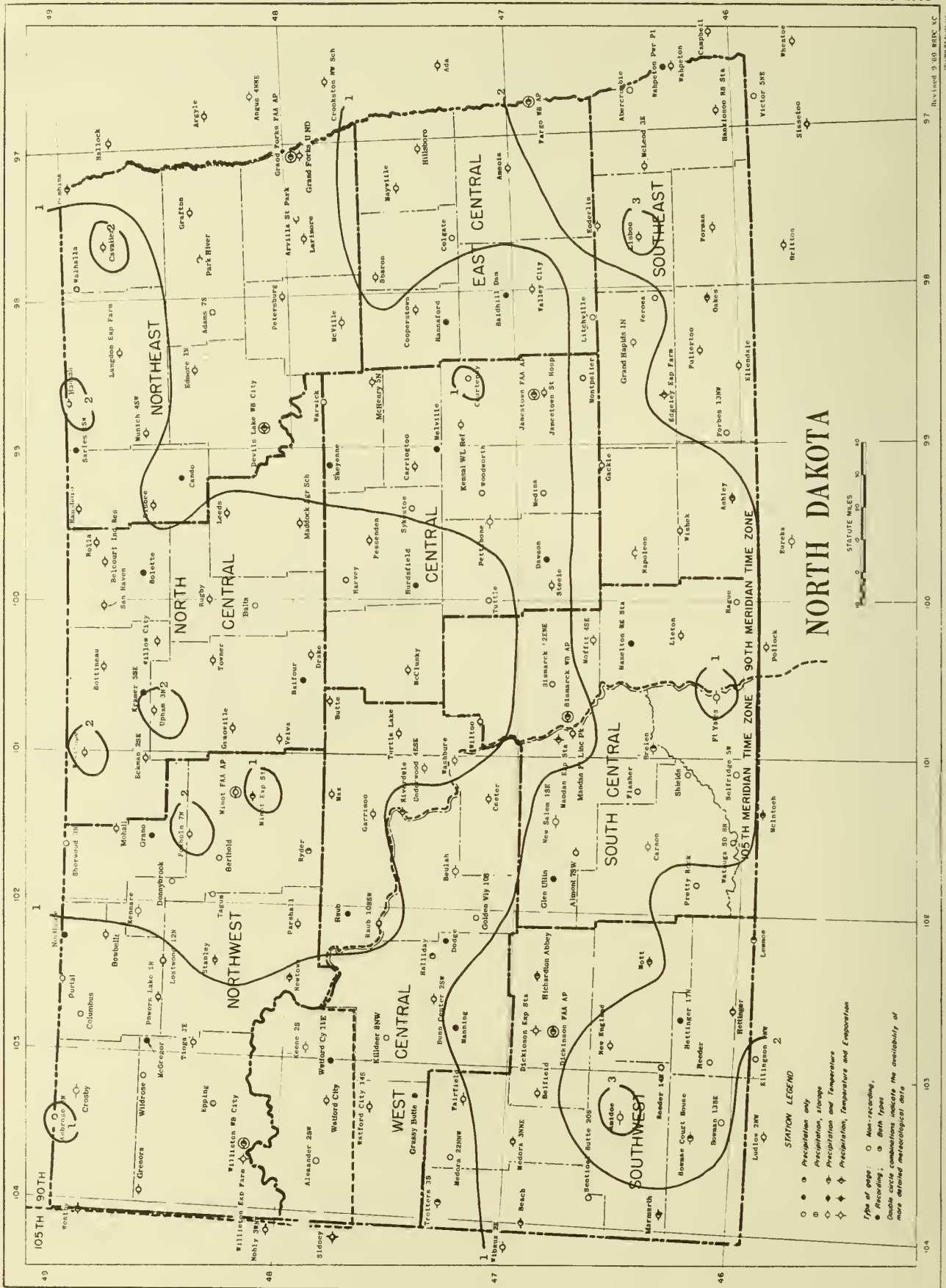
NORTH DAKOTA
MAY 1961

MAY 196

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ALMONT 7 SW	SNOWFALL SN ON GND																1.5															
BELCOURT INDIAN RES	SNOWFALL SN ON GND									1.0																						
BISMARCK WB AIRPORT	SNOWFALL SN ON GND								T																							
BOTTINEAU	SNOWFALL SN ON GND									T																						
CENTER	SNOWFALL SN ON GND																T															
DEVILS LAKE WB CITY	SNOWFALL SN ON GND								T	T	.2 T																					
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND							T																								
DUNN CENTER 2 SW	SNOWFALL SN ON GND	T	T																													
FARGO WB AIRPORT	SNOWFALL SN ON GND										T																					
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND										T																					
HANNAH	SNOWFALL SN ON GND										T																					
LANGDON EXP FARM	SNOWFALL SN ON GND										.2																					
MARMARTH	SNOWFALL SN ON GND																	T														
MINOT FAA AIRPORT	SNOWFALL SN ON GND								T																							
MOHALL	SNOWFALL SN ON GND										T																					
MUNICH 4 SW	SNOWFALL SN ON GND								T T																							
PARSHALL	SNOWFALL SN ON GND									T																						
PETERSBURG	SNOWFALL SN ON GND										1.0																					
PRETTY ROCK	SNOWFALL SN ON GND																T															
RICHARDTON ABBEY	SNOWFALL SN ON GND	T	T																													
WILLISTON WB CITY	SNOWFALL SN ON GND									.1 T																						
WILLOW CITY	SNOWFALL SN ON GND										T																					

TOTAL PRECIPITATION

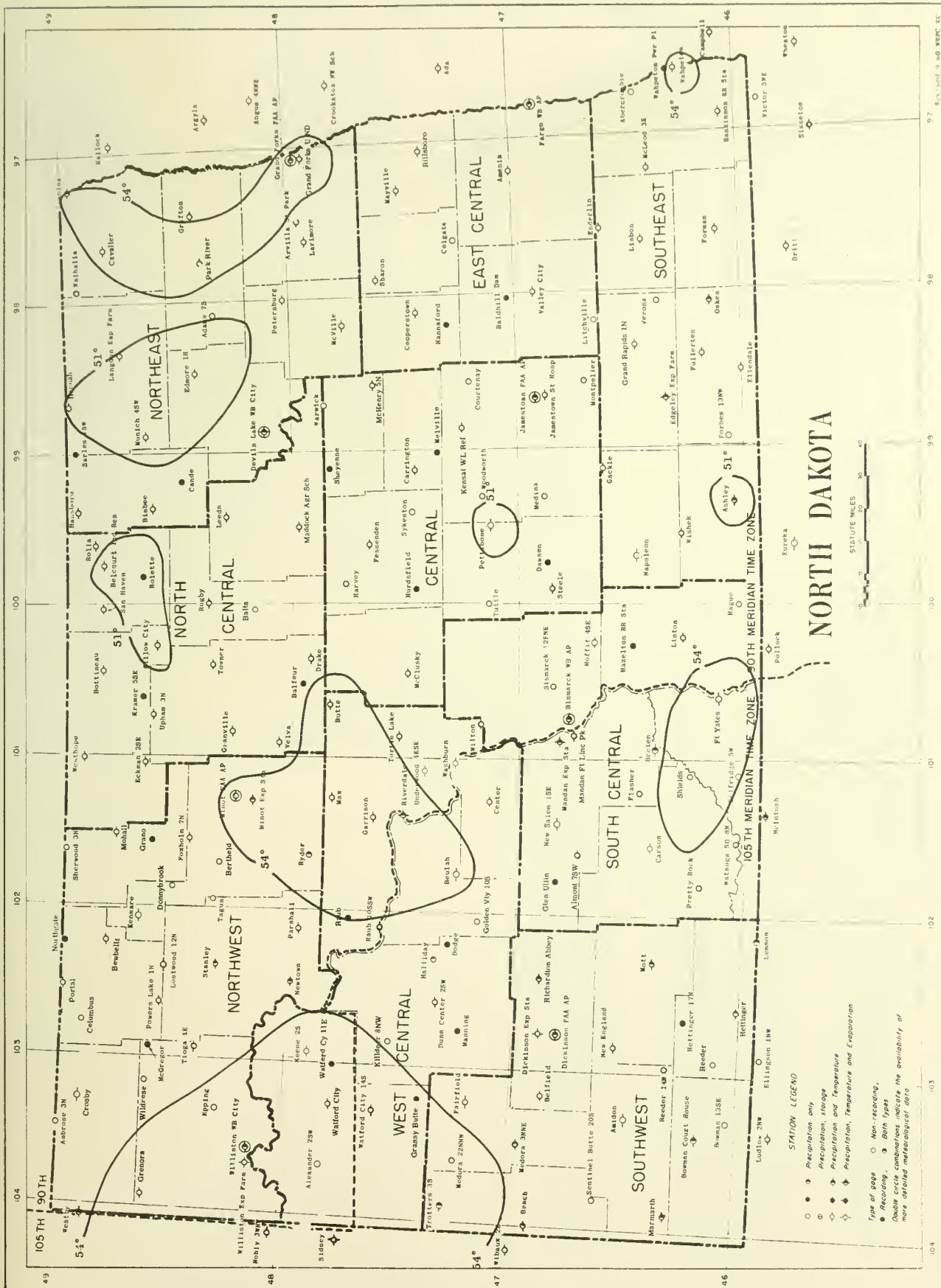
MAY 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

MAY 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

STATION INDEX

NORTH DAKOTA
MAY 1961

STATION										STATION									
INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	TEMP.	PRECIP.	EVAP.	SPECIAL	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	TEMP.	PRECIP.	EVAP.	SPECIAL
ABERCROMBIE	0009 RICHLAND	10 46 27	96 45	935	8A					7047 KIDDER	8 47 07	99 31	1855	7P					
ADAMS 7 S	0022 WALSH	10 48 20	98 06	1554	6P					7201 BURKE	12 49 00	102 33	1954	9A					
ALEXANDER 2 SW	0036 MCKENZIE	13 47 50	103 40	2170	6P					7261 BURKE	8 48 34	102 38	2205	8A					
ALMONT 7 SW	0106 MORTON	4 46 43	101 39	2300	7P					7311 GRANT	1 46 10	101 51	2490	6P					
AMROSE 3 N	0189 DIVIDE	12 49 00	103 28	2027	5B					7405 MCLEAN	8 47 44	102 04	1885	6P					
AMENIA	0198 CASS	11 47 00	97 13	960	5B														
AMION	0209 SLOPE	14 46 29	103 19	2910	8A					7408 MCLEAN	8 47 36	102 06	1958	6P					
ARVILLE STATE PARK	0369 GRAND FORKS	10 47 56	97 30	960	6P					7450 ADAMS	3 46 06	102 57	2810	6P					
ASHLEY	0402 MCINTOSH	8 46 02	99 22	2001	5S					7452 SLOPE	11 46 19	102 57	2784	8A					
BALDILL DAM	0450 BARNES	11 47 02	98 02	1300	5S					7530 STARK	4 46 53	102 19	2470	5P					
BALFOUR	0492 MCHEERY	12 47 57	100 32	1615	6P					7585 MCLEAN	8 47 30	101 21	1950	8A					
BALTA	0500 PIERCE	11 48 10	100 02	1550	6P														
BELCOURT INDIAN RES	0590 GOLDEN VALLEY	7 46 55	101 01	2824	6A					7655 ROLETTE	12 48 40	99 50	1610	8A					
BELFIELD	0626 STUTSMAN	9 48 50	100 45	1960	7P					7664 ROLETTE	2 48 52	99 37	1819	7P					
BERTHOLD	0729 WARD	12 48 19	101 44	2080	6P					7704 PIERCE	12 48 22	100 00	2160	6P					
BISBEE	0766 MERCER	6 47 16	101 47	1780	7P					7749 WARD	8 47 55	101 40	1568	6P					
BISMARCK WB AIRPORT	0796 TOWNER	2 48 37	99 22	1600	6P					7824 ROLETTE	12 48 50	100 02	2001	6P					
BISMARCK 12 ENE	0819 BURLINGAME	8 46 46	100 45	1647	MID														
BOTTINEAU	0827 BURLINGAME	8 46 51	100 33	1709	8A														
BOWBELLS	0941 BOTTINEAU	12 48 50	100 27	1640	8A														
BOWMAN COURT HOUSE	0961 BURKE	12 48 48	102 15	1951	8A														
BOWMAN 13 SE	0995 BOWMAN	3 46 11	103 29	2980	5P														
BREIN	1052 SIOUX	3 46 02	103 18	2830	6P														
BUTTE	1225 MCLEAN	12 47 50	100 40	1885	8A														
CANDY 7 S	1288 TOWNER	99 12	144	1647	6P														
CARRINGTON	1360 FOSTER	5 47 27	99 08	1586	8A														
CARTER	1370 GRANT	4 46 25	101 34	2310	8A														
CAVALIER	1435 PHEMIA	10 48 48	97 38	899	6P														
CENCO	1456 OLIVER	8 47 07	101 18	2100	7P														
COLGATE	1466 STEELE	10 47 14	97 39	1180	7P														
COLUMBUS	1696 BURKE	12 48 54	102 47	1930	8A														
COOPERSTOWN	1766 GRIGGS	11 47 26	98 07	1428	5P														
COURTNEY	1816 STUTSMAN	5 47 13	98 34	1521	6P														
CROSBY	1871 DIVIDE	12 48 54	103 18	1952	6P														
DAWSON	2018 KIDDER	8 46 52	99 45	1730	6P														
DEVILS LAKE WB CITY	2158 RAMSEY	2 48 07	98 52	1471	MID														
DICKINSON FAA AIRPORT	2183 DICKINSON	4 46 47	102 48	2995	6P														
DICKINSON EXP STATION	2188 STARK	4 46 53	102 48	2460	7A														
DODGE	2215 DUNN	6 47 18	102 12	1981	6P														
DONAHUE	2242 WARD	12 48 31	101 53	1760	6P														
DRAKE	2298 MCHEERY	12 47 55	100 22	1634	8A														
DUNN CENTER 2 SW	2365 DUNN	6 47 20	102 38	2232	7A														
DUNN 2 SE	2472 BOTTINEAU	12 48 39	101 01	1495	7A														
EDGELEY EXP FARM	2482 LA MOURE	5 46 20	98 42	1568	8A														
EDMORE 1 N	2525 RAMSEY	2 48 25	98 28	1520	6P														
ELLENDALE	2605 DICKIE	9 48 31	98 31	1460	6P														
ENDORLIN	2695 RAMSON	11 46 37	97 36	1120	7A														
EPPING	2735 WILLIAMS	8 48 17	103 21	2224	6P														
FAIRFIELD	2809 BILLINGS	7 47 11	103 13	2750	6P														
FARGO WB AIRPORT	2859 CASS	10 46 54	96 48	900	MID														
FESSENDEN	2949 WELLS	5 47 39	99 37	1680	6P														
FLASHER	3009 MORTON	1 46 27	101 14	1930	8A														
FORBES 13 NW	3064 DICKIE	5 46 04	98 56	1988	6P														
FORMAN	3117 SARGENT	10 46 06	97 39	1249	6P														
FORT YATES	3207 SIOUX	8 46 06	100 38	1480	5P														
FOSHLIN 7 N	3217 WARD	12 48 27	101 34	1609	5P														
FULLERTON	3287 DICKIE	5 46 10	98 25	1439	6P														
GACKLE	3309 LOGAN	5 46 38	98 58	1951	6P														
GARRISON	3376 MCLEAN	8 47 38	101 25	1911	7A														

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

+ And also on an earlier date or dates.

* Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

// Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

JUNE 1961
Volume 70 No. 6



ASHEVILLE: 1961

NORTH DAKOTA - JUNE 1961

WEATHER SUMMARY

The warm temperatures and rainfall deficiency of the last week in May continued through June, intensifying the drought condition.

Temperatures averaged well above normal for the first twenty days, then returned to near normal for a period of about five days. During the last week of the month temperatures rose to above 100° over much of the state. On the 27th some areas equaled or set highest temperature records for that date.

The first showers of any significance fell during the three-day period from the 8th to the 10th. Some areas received amounts of more than one-half inch. In other areas amounts were less than one-tenth inch. On the evening of the 9th, funnel clouds were seen in vicinities of both Grandin and Gwinner. A few days later, on the 12th and 13th, substantial precipitation of from one to two inches, and in some cases more, fell in the southern third of the state. Precipitation occurred on the last day of the month. It was the driest June of record for many cooperative stations in the north-central division.

Devils Lake experienced the warmest temperature of record; Williston was the second highest.

Sanford R. Miller
Weather Bureau State Climatologist
Weather Bureau Airport Station
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 106° on the 27th at Four Stations

Lowest Temperature: 31° on the 20th at Willow City

Greatest Total Precipitation: 4.48 inches at Ellendale

Least Total Precipitation: 0.15 inch at Minot FAA Airport

Greatest one-day Precipitation: 2.55 inches on the 13th at Mc Leod 3 E

SUPPLEMENTAL DATA

NORTH DAKOTA
JUNE 1961

Station	Wind direction		Average	Wind speed m p h			Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing		Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	31-09	10-49	50-99	100-199	200 and over	Total		
BISMARCK WB AIRPORT	ENE	13	10.4	38	NW	21	58	73	34	29	4	2	2	0	1	0	9	83	4.4
DEVILS LAKE WB CITY	SW	-	8.2	28	N	17	-	75	39	32	3	4	2	0	0	0	9	79	4.2
FARGO WB AIRPORT	SSW	11	11.8	60	SW	28	70	79	49	46	2	5	2	1	0	0	10	65	4.8
WILLISTON WB CITY	S	-	6.6	47	SE	29	-	65	36	28	3	2	2	0	0	0	7	84	4.8

CLIMATOLOGICAL DATA

Station	Temperature												Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max. Min.									Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More
										90° or Above	80° or Above	70° or Above	60° or Above	50° or Above										
NORTHWEST DIVISION																								
ROWBELLS	86.1M	50.9M	68.5M		99	18	32	2	53	13	0	1	0	.69		.63	30	.0	0		1	1	0	
CROSBY	85.9	53.3M	69.6M	8.9	97	17			20	12	0	0	0	1.47	- 1.82	.64	17	.0	0		3	1	0	
FOXHOLM 7 N	87.2	52.2	69.7	7.6	98	17	43	19	24	17	0	0	0	.74	- 2.78	.46	30	.0	0		2	1	0	
GRENORA	86.4	51.4	68.9		98	17	37	2	32	13	0	0	0	1.06		.83	30	.0	0		2	1	0	
KENMARE	85.8	51.4	68.6		97	29+	36	2	48	14	0	0	0	.43	- 3.09	.40	30	.0	0		3	0	0	
LOSTWOOD 12 N	84.4	48.0M	66.2M		95	17	36	23	62	8	0	0	0	.99		.43	30+	.0	0		3	0	0	
MINOT FAA AIRPORT	86.0	55.7	70.9		97	26	42	19+	27	10	0	0	0	.15		.10	30	.0	0		1	0	0	
MINOT EXP STATION	85.8	53.4	69.6		98	29	41	14+	38	13	0	0	0	.55		.31	1	.0	0		2	0	0	
MOHALL	86.3M	51.0M	68.7M	6.8	94	17	40	23	36	14	0	0	0	.37	- 3.64	.31	30	.0	0		3	0	0	
NEWTOWN	84.7	53.1	68.9	7.2	94	17	41	2	29	10	0	0	0	.49	- 3.12	.16	30	.0	0		3	0	0	
PARSHALL	86.4	50.4	68.4		96	26	37	23	38	14	0	0	0	.67	- 2.87	.27	12	.0	0		3	0	0	
PORTAL	84.2M	51.9M	68.1M	7.4	96	29	37	2	46	9	0	0	0	.83	- 2.95	.65	30	.0	0		2	1	0	
POWERS LAKE 1 N	85.1M	50.4	67.8M		95	17	35	23+	56	13	0	0	0	.94		.51	1	.0	0		3	1	0	
STANLEY	84.5	51.8	68.2		95	17	40	23+	38	10	0	0	0	.70		.44	10	.0	0		2	0	0	
TIOGA 1 E	84.2	51.4	67.8		94	18	35	2	50	9	0	0	0	.60		.24	18	.0	0		3	0	0	
WILLISTON WB CITY	85.0	57.1	71.1	8.1	95	28+	40	2	22	12	0	0	0	.43	- 3.16	.20	9	.0	0		2	0	0	
WILLISTON EXP FARM	85.5	53.6	69.6		95	28	38	2	29	10	0	0	0	.80		.61	13	.0	0		2	1	0	
DIVISION			68.9	7.7											.71	- 2.88	.0							
NORTH CENTRAL DIVISION																								
BELCOURT INDIAN RES	82.2	48.3	65.3		97	27	32	15	86	7	0	1	0	1.09		.41	21	.0	0		3	0	0	
ROTTINEAU	84.7	52.1	68.4	6.9	100	18	38	19	50	10	0	0	0	.85	- 2.95	.51	30	.0	0		2	1	0	
DRAKE	85.0	52.4	68.7	6.1	99	28	42	23+	45	11	0	0	0	.73	- 3.00	.27	10	.0	0		4	0	0	
GRANVILLE	85.9	53.3	69.6	7.2	100	28	41	20	38	11	0	0	0	.55	- 3.38	.25	30	.0	0		2	0	0	
LEEDS	85.5	51.2	68.4		102	27	37	23+	47	10	0	0	0	.77		.33	30	.0	0		3	0	0	
MADDOCK AGRI SCHOOL	87.1	50.8	69.0	6.4	106	27	37	15	39	12	0	0	0	1.14	- 2.43	.58	30	.0	0		3	1	0	
ROLLA	81.3	51.9	66.6		97	27	40	21	63	5	0	0	0	1.47		.72	8	.0	0		4	1	0	
RUGBY	86.8	53.9	70.4		100	27	41	20	26	14	0	0	0	.71	- 2.66	.57	30	.0	0		2	1	0	
SAN HAVEN	82.3	53.2	67.8	6.9	95	28+	41	19	53	6	0	0	0	.77	- 2.74	.40	30	.0	0		3	0	0	
TOWNER	87.3	51.2	69.3	6.8	100	28+	38	23+	34	12	0	0	0	.41	- 3.28	.24	30	.0	0		1	0	0	
UPHAM 3 N	87.4	50.2	68.8		104	28	32	20	51	14	0	1	0	.38		.26	30	.0	0		2	0	0	
VELVA	87.0	51.9	69.5	6.3	101	28	38	20	37	15	0	0	0	.41	- 3.24	.26	30	.0	0		2	0	0	
WESTHOPE	85.8	51.7	68.8	6.7	98	27+	38	20	40	10	0	0	0	.17		.17	30	.0	0		1	0	0	
WILLOW CITY	86.8	48.2	67.5	6.0	100	17	31	20	54	13	0	1	0	.39	- 3.31	.20	17	.0	0		1	0	0	
DIVISION			68.4	6.5											.70	- 3.07	.0							
NORTHEAST DIVISION																								
ARVILLA STATE PARK	86.4	49.2	67.8		99	26	33	20	52	12	0	0	0	1.43		.50	8	.0	0		5	1	0	
BISREE	84.2	51.7	68.0		100	26	39	19	52	10	0	0	0	1.49		.67	8	.0	0		4	1	0	
CAVALIER	85.3	53.5M	69.4M		99	17			31	9	0	0	0	.66		.22	1	.0	0		3	0	0	
DEVILS LAKE WB CITY	83.9	53.2	68.6	6.2	103	27	42	23+	49	9	0	0	0	.94	- 2.24	.42	30	.0	0		2	0	0	
EDMORE 1 N	83.5	47.8	65.7		102	27	32	19	89	9	0	1	0	1.35		.45	8	.0	0		4	0	0	
GRAFTON	85.7	52.1	68.9	4.6	99	27	38	15	39	12	0	0	0	1.75	- 1.44	1.24	8	.0	0		3	1	1	
GRAND FORKS FAA AIRPORT	84.2	53.3	68.8		98	27	39	15	46	9	0	0	0	.93		.41	21	.0	0		4	0	0	
GRAND FORKS UNIVERSITY	84.0	54.0	69.0	5.0	96	26	40	19	35	8	0	0	0	1.53	- 2.04	.51	30	.0	0		5	1	0	
HANNAH	81.3	48.6	65.0		96	27	34	19	81	6	0	0	0	1.80	- 1.86	.98	8	.0	0		4	1	0	
HANSBORO 3 W	82.5	48.7	65.6	5.3	98	27	34	19	79	7	0	0	0	1.30	- 2.43	.63	21	.0	0		4	1	0	
LANGDON EXP FARM	84.7	48.5	66.6	5.3	98	28+	32	19	58	9	0	1	0	.95	- 2.11	.40	8	.0	0		4	0	0	
LARIMORE	83.9	52.0	68.0	4.6	97	27	40	19	45	10	0	0	0	2.54	- .55	1.17	8	.0	0		6	1	1	
MC VILLE	84.2	50.5	67.4		101	27	38	20+	60	9	0	0	0	2.11		.70	8	.0	0		5	2	0	
MUNICH 4 SW	83.3	47.8	65.6		99	27	34	19	77	7	0	0	0	1.05		.40	30	.0	0		2	0	0	
PARK RIVER	86.6	52.8	69.7	6.6	98	27+	39	19	32	12	0	0	0	.76	- 2.30	.30	8	.0	0		4	0	0	
PEMBINA	84.0	51.6	67.8		97	17	37	19	45	8	0	0	0	.56	- 2.51	.32	1	.0	0		2	0	0	
PETERSBURG	82.5	51.3	66.9		98	27	39	19	62	6	0	0	0	2.29	- .86	.88	8	.0	0		4	2	0	
DIVISION			67.6	5.4											1.38	- 1.94	.0							
WEST CENTRAL DIVISION																								
BEULAH	88.7	54.1	71.4		101	28	39	3	16	15	0	0	0	1.06		.42	1	.0	0		3	0	0	
BUTTE	86.0M	52.5M	69.3M		100	29	41	2	44	10	0	0	0	.71		.50	30	.0	0		2	1	0	
CENTER	86.7	52.2	69.5		98	28+	40	24	33	14	0	0	0	.70		1.43	14	.0	0		4	2	1	
DUNN CENTER 2 SW	83.3	53.7	68.5	7.1	98	29	43	2	46	8	0	0	0	2.50	- 1.35	.35	1	.0	0		3	0	0	
GARRISON	84.8	53.6	69.2	6.4	98	27	43	20+	41	10	0	0	0	.66	- 2.82	1.17	13	.0	0					
KEENE 2 S	86.2	51.9M	69.1M		95	28	35	2	46	16	0	0	0	1.49		1.39	1	.0	0		1	1	1	
MAX	83.4	52.3	67.9	5.8	95	29+	41	3	59	8	0	0	0	1.56	- 2.42	.38	30	.0	0		2	0	0	
RAUR 10 SSW	84.7	54.0	69.4		99	26	45	2	23	9	0	0	0	.53		.38	1	.0	0		3	0	0	
RIVERDALE	84.3	53.0	68.8		97	29+	43	15+	39	10	0	0	0	.79				.0	0					

CLIMATOLOGICAL DATA

NORTH DAKOTA
JUNE 1961

CONTINUED

Station	Temperature													Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max. Min.									Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More
										90° or above	80° or above	70° or above	60° or above	50° or above										
TURTLE LAKE	87.3	53.4	70.4		100	26	43	2	23	14	0	0	0	.70		.40	10	.0	0		2	0	0	
UNDERWOOD 4 ESE	85.3	53.2	69.3		97	28+	41	14	32	11	0	0	0	1.21		.92	10	.0	0		2	1	0	
WASHBURN	87.6	53.1M	70.4M	6.1	100	26	40	2	29	16	0	0	0	1.00	- 2.69	.40	30	.0	0		3	0	0	
WATFORD CITY	86.5	52.4	69.5	6.6	99	28	38	14	36	13	0	0	0	1.44	- 2.14	1.13	13	.0	0		2	1	1	
WATFORD CITY 14 S	88.0M	54.1M	71.1M		100	28	38	2	20	16	0	0	0	2.82		1.51	13	.0	0		4	2	1	
WILTON	86.0	52.2	69.1		98	27	38	2	42	12	0	0	0	.79		.44	30	.0	0		2	0	0	
DIVISION			69.6	7.3										1.23	- 2.56			.0						
CENTRAL DIVISION																								
CARRINGTON	83.7	51.8	67.8	5.3	103	28	39	15	48	8	0	0	0	1.08	- 2.56	.64	10	.0	0		3	1	0	
FESSENDEN	86.5	51.4	69.0	6.2	102	27	38	23	33	12	0	0	0	1.04	- 2.32	.55	30	.0	0		3	1	0	
JAMESTOWN FAA AIRPORT	84.4	52.0	68.2		105	27	38	15	49	8	0	0	0	.49		.24	21	.0	0		2	0	0	
JAMESTOWN STATE HOSP	84.7	53.2	69.0	4.4	105	27	40	3	33	8	0	0	0	.64	- 2.68	.39	21	.0	0		2	0	0	
KENSAL WILDLIFE REFUGE	87.4	50.2	68.8		106	27	37	15	34	14	0	0	0	.68		.32	30	.0	0		3	0	0	
MC CLUSKY	86.0	51.2M	68.6M	5.8	98	28+	40	23	47	12	0	0	0	.32	- 3.75	.17	10	.0	0		1	0	0	
MC HENRY 5 N	84.7	50.0	67.4		103	27	38	20+	55	11	0	0	0	.94		.33	30	.0	0		4	0	0	
PETTIBONE	85.4	53.5M	69.5M	6.7	106	27	31	11	31	11	0	0	0	.59	- 2.42	.55	30	.0	0		1	1	0	
STEELE	87.2	53.0	70.1	7.1	102	27	42	2	23	11	0	0	0	1.36	- 2.52	.85	30	.0	0		2	1	0	
TUTTLE	86.8	50.6M	68.7M		101	27	38	15	34	11	0	0	0	.75		.68	30	.0	0		1	1	0	
DIVISION			68.7	6.1										.79	- 2.78			.0						
EAST CENTRAL DIVISION																								
AMENIA	84.4	52.8	68.6		95	27	43	20+	30	6	0	0	0	1.33		.39	12	.0	0		4	0	0	
COOPERSTOWN	84.6	52.2	68.4		99	27	40	23+	37	8	0	0	0	1.92	- 1.46	.53	8	.0	0		5	1	0	
FARGO WB AIRPORT	83.1	54.2	68.7	4.1	95	27	40	20	41	6	0	0	0	1.36	- 1.68	.50	8	.0	0		3	1	0	
HILLSBORO	83.7	53.2	68.5	3.8	95	27	41	15	39	8	0	0	0	1.36	- 2.41	.50	8	.0	0		4	1	0	
MAYVILLE	83.8	52.9	68.4	3.7	95	27	40	20	53	8	0	0	0	2.18	- 1.34	1.31	8	.0	0		4	1	1	
SHARON	82.9	51.6	67.3	4.6	95	27	38	19	53	7	0	0	0	1.43	- 1.93	.38	8	.0	0		4	0	0	
VALLEY CITY	81.9	51.1M	66.5M	1.4	94	27	35	20+	61	6	0	0	0	1.89	- 1.41	1.51	12	.0	0		3	1	1	
DIVISION			68.1	3.9										1.64	- 1.81			.0						
SOUTHWEST DIVISION																								
AMIDON	83.0	54.7	68.9		99	29	41	2	43	7	0	0	0	1.96		1.10	14	.0	0		3	1	1	
BEACH	83.4	52.8	68.1		99	29	41	2	53	9	0	0	0	1.35		.85	14	.0	0		3	1	0	
BELFIELD	84.2	53.1	68.7		96	29+	39	2	32	7	0	0	0	1.88		1.11	30	.0	0		4	1	1	
BOWMAN COURT HOUSE	84.8M	52.1M	68.5M	6.3	98	28	43	2	45	8	0	0	0	1.20		.75	13	.0	0		3	1	0	
DICKINSON FAA AIRPORT	85.0	54.3	69.7		98	26	40	2	36	10	0	0	0	1.50		.82	13	.0	0		4	1	0	
DICKINSON EXP STATION	84.5	52.0	68.3	6.9	99	29	39	23	47	9	0	0	0	2.82	- 1.16	1.82	30	.0	0		4	2	1	
FAIRFIELD	83.5	53.5	68.5		97	28	40	2	34	7	0	0	0	2.05		1.06	30	.0	0		2	2	1	
HETTINGER	82.5	55.0M	68.8M	5.3	97	28	44	23	37	6	0	0	0	2.47	- 1.00	1.07	12	.0	0		4	2	1	
MARMARTH	85.3	50.4	67.9	4.3	102	29	36	3	60	11	0	0	0	1.12	- 2.47	.63	14	.0	0		3	1	0	
MEADRA 3 NNE	87.3	46.6	67.0		99	29+	33	3	49	13	0	0	0	3.12		1.68	30	.0	0		5	2	1	
MOTT	85.5	50.6	68.1	4.7	99	28	40	24+	37	9	0	0	0	.53	- 3.12	.19	9	.0	0		3	0	0	
NEW ENGLAND	83.3	52.8	68.1	4.7	97	28	41	23	44	7	0	0	0	1.47	- 2.53	.70	14	.0	0		4	1	0	
RICHARDSON ABBEY	85.1	54.6	69.9	7.3	97	28	41	2	27	8	0	0	0	1.97	- 2.02	1.12	13	.0	0		2	2	1	
TROTTERS 3 S	84.9	54.1	69.5		99	28	41	2	36	10	0	0	0	2.23	- .78	1.36	30	.0	0		4	1	1	
DIVISION			68.6	6.1										1.83	- 1.94			.0						
SOUTH CENTRAL DIVISION																								
ALMONT 7 SW	86.4	56.2	71.3		100	26	41	2	27	13	0	0	0	1.15		1.10	13	.0	0		1	1	1	
BISMARCK WB AIRPORT	86.3	51.9	69.1	4.8	100	27	36	15	36	15	0	0	0	1.78	- 1.55	1.13	29	.0	0		3	1	1	
BREIEN	88.2	51.6	69.9		102	27	36	3	25	16	0	0	0	1.81		.65	28	.0	0		6	1	0	
CARSON	85.6	54.5	70.1	6.6	100	29	37	2	35	11	0	0	0	2.09	- 1.78	1.48	14	.0	0		2	1	1	
FORT YATES	89.2	54.0M	71.6M	6.2	106	27	41	3	11	14	0	0	0	1.99	- 1.59	.81	13	.0	0		5	2	0	
LINTON	87.5	51.2M	69.4M	4.3	105	27	37	2	43	13	0	0	0	1.75	- 2.34	.91	28	.0	0		4	1	0	
MANDAN EXP STATION	85.3	53.8	69.6	5.7	99	29+	40	15+	40	11	0	0	0	1.88	- 1.90	1.72	30	.0	0		2	1	1	
MANDAN FT LINCOLN PARK	88.8	50.9M	69.9M		103	27	36	15	26	17	0	0	0	2.29		1.50	30	.0	0		2	2	1	
MOFFIT 4 SE	87.3	51.1	69.2		103	27	36	24+	34	14	0	0	0	.36		.30	30	.0	0		1	0	0	
NEW SALEM 1 SE	85.7	54.6	70.2	7.1	99	26	40	15	35	11	0	0	0	2.79	- .75	2.29	13	.0	0		3	1	1	
DIVISION			70.0	6.0										1.79	- 2.10			.0						
SOUTHEAST DIVISION																								
ASHLEY	82.5	51.2	66.9	3.6	101	27	39	23	58	5	0	0	0	3.38	- .45	1.70	13	.0	0		6	2	1	
EDGELEY EXP FARM	83.5	50.8	67.2	3.3	105	28	40	23+	56	7	0	0	0	1.47	- 2.29	.65	30	.0	0		3	1	0	
ELLENDALE	84.6	53.7	69.2	4.2	101	27	43	23+	32	9	0	0	0	4.48	.63	2.03	29	.0	0		4	3	2	
ENDERLIN	83.2	51.1	67.2		97	28	39	15	59	6	0	0	0	1.13		.20	14	.0	0		7	0	0	
FORMAN	83.4	52.9M	68.2M		98	27	41	24+	39	3	0	0	0	2.43	- 1.49	.85	29	.0	0		5	1	0	
FULLERTON	83.9	51.4	67.7	2.4	101	27	41	23+	47	7	0	0	0	2.97	- 1.00	1.63	13	.0	0		4	2	1	
GACKLE	85.2	52.9M	69.1M		104	27	44	8	44	8	0	0	0	.73		.48	12	.0	0		2	0	0	
GRAND RAPIDS 1 N	85.1	50.6	67.9		99	27	35	20	42	8	0	0	0	1.61		.81	29	.0	0		4	1	0	
HANKINSON R R STATION	81.51																							

NORTH DAKOTA
JUNE 1961

See reference notes following Station Index.
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DAILY PRECIPITATION

NORTH DAKOTA
JUNE 1961

Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
POWERS LAKE 1 N	.94	.51								T	T	.13		1.63						.14								T	T			.30	
PRETTY ROCK	1.83											.06																		.05	.38		
RAUB 10 SSW	.93											.10																					
REEDER	1.61					.11					T		.77	.45	.09					.17										.02			
REEDER 14 N	1.26										.08		.04	.82	.25					.07											T		
RICHARDTON ABBEY	1.97								.01		.06	.70	1.12	.01					T	.03									T	T	.04		
RIVERDALE	.79	.38									.15								T	T			.28	.15							.26		
ROLLA	1.47								.72	.02												.12									.30		
RUGBY	.71	.02									.10								T	T											.57		
RYDER	.36																														.26		
SAN HAVEN	.77	.13							.04									T	.01		.05		.14	.05							.40		
SELFLEDGE 5 W	1.09												.31	.70																	.03		
SENTINEL BUTTE 20 S	2.80											.10		1.40																	1.30		
SHARON	1.43	.02							.38	.04	.05									.03			.27	.28							.36		
SHERWOOD 3 N	.62								T										.05												.57		
SHIELDS	2.22								T	.04			.12	.22	.17					.15										1.47	.05		
STANLEY	.70											.44	T							.03											.19		
STEELE	1.36	T							T	T	.08	.35										T								.08	.85		
SYKESTON	1.08	.13								T												.06	T	T							.23		
TAGUS	.48										.15								T	T									T		.33		
TIOGA 1 E	.60										.22									.24											.14		
TOWNER	.41	.04							.05											.08											.24		
TROTTERS 3 S	2.23										.10	.01	.09	.31	.32				T		.04									T	1.36		
TURTLE LAKE	.70	.04									.40																				.26		
TUTTLE	.75	T									.04								T				.01						T	.02	.68		
UNDERWOOD 4 ESE	1.21	.01									.92																				.28		
UPHAM 3 N	.38	T																.12													.26		
VALLEY CITY	1.89	T									.02	.04	T	1.51									.11						T	.21			
VELVA	.41	.11									.02									.02											.26		
VERONA	1.62														.64	.01											.15	.04			.36	.42	
WAMPETON	2.23	.11								.45				.28							.65	.48								.26	.22		
WALHALLA	.89	.18	.02							.15																					1.08		
WARWICK	1.84									.24		.19								.05		.17	.11								.40		
WASHBURN	1.00										.28			.32							.12												
WATAUGA 5 OAKOTA 8 N	2.35									.16	.12	.20	1.75																				
WATFORD CITY	1.44											.02		1.13						.03										.06	.20		
WATFORD CITY 14 S	2.82										.27		1.51	.02						.02										.22	.78		
WESTHOPE	.17	T																	T	T			T	T					T	.17			
WILOROSE	1.26										.09		.26						.39												.52		
WILLISTON WB CITY	.43									.20			.19						T	T										.02	T	.02	
WILLISTON EXP FARM	.80										.14		.61						.01	.02				.08					T		.02		
WILLOW CITY	.39	.03							T		.35								.20												.08		
WILTON	.79																														.23	.10	
WISHEK	.82										T		.04	.18																	.28		
WOODWORTH	.40			.27																			.12										

MONTHLY AND SEASONAL SNOWFALL

Season of 1960-1961

NORTH DAKOTA

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
ABERCROMBIE					10.0	4.3	1.6	2.5	.5	1.8			20.7
ADAMS 7 S					2.0	5.0	3.0	7.0	T				
ALEXANDER 2 SW					-	-	.5	9.0	T				
ALMONT 7 SW				T	2.1	-	.3	-	-	8.0	1.5		
AMBROSE 3 N				T	-	-	-	-	-	-	T		
AMENIA					6.0	6.0	1.0	2.0		T			15.0
AMIOON					-	-	-	-	4.0	1.0			
ARVILLA STATE PARK					8.0	10.5	10.5	6.0	3.0	5.5			43.5
ASHLEY					2.0	10.5	T	6.5	2.0	3.5			24.5
BALTA					-	-	-	-	-	-			
BEACH				T	3.0	4.5	3.0	-	4.0	4.0			
BELCOURT INDIAN RES				T	3.6	6.5	3.1	10.9	.6	5.0	1.0		30.7
BELFIELO					-	-	-	-	-	-			
BERTHOLD				T	-	-	.2	-	.5	-	T		
BEULAH				T	5.0	-	.3	-	-	-			
BISBEE					5.0	16.9	.7	16.0	.4	.4	1.0		40.4
BISMARCK WB AIRPORT				T	5.6	11.9	.6	7.7	.8	6.5	T		33.1
BISMARCK 12 ENE					T	-	T	-	-	-			
BOTTINEAU					3.6	4.3	5.2	9.2	.8	4.0	T		27.1
BOWBELLS				T	2.9	1.5	T	12.0	.3	4.0			20.7
BOWMAN COURT HOUSE					-	-	.4	-	-	-			
BOWMAN 13 SE				.4	3.6	6.7	1.5	7.8	6.4	.8			27.2
BREIEN				T	4.0	12.0	-	5.0	2.0	6.0			39.2
BUTTE					-	-	-	-	-	-			
CARRINGTON					1.5	12.5	1.5	5.5	.5	10.0			31.5
CARSON					-	-	2.0	-	-	3.0			
CAVALIER				T	5.2	10.9	2.2	5.7	.2	1.2			25.4
CENTER					5.0	5.0	T	7.5	T	5.0	T		22.5
COLGATE					-	6.0	T	-	-	6.0			
COLUMBUS					3.5	3.5	.5	7.7	.3	4.5			20.0
COOPERSTOWN					1.3	1.5	2.9	4.6	T	-			
COURTENAY					3.5	14.5	.5	-	T	1.0			
CROSBY					3.9	3.3	T	8.8	1.4	T			17.4
DEVILS LAKE WB CITY				T	5.5	14.6	6.0	6.8	.7	5.4	.2		39.2
DICKINSON FAA AIRPORT					4.3	3.0	.5	3.6	.9	2.6	T		14.9
DICKINSON EXP STATION					-	-	-	-	-	-			
DONNYBROOK					-	-	-	-	-	-			
DRAKE					-	-	-	-	-	-			
DUNN CENTER 2 SW					-	4.0	1.0	8.0	1.0	11.0			
ECKMAN 2 SE					-	-	-	-	-	-			
EGELEY EXP FARM					4.0	6.0	T	9.0	T	4.0			23.0
EDMORE 1 N					-	-	-	-	-	-			
ELLENDALE					9.5	8.1	.2	5.5	T	1.5			24.8
ENDERLIN					-	5.0	T	2.0	-	-			
EPPING					5.0	6.0	T	10.0	1.0	6.0			28.0
FAIRFIELD				T	6.0	7.0	1.0	9.0	2.0	6.0			31.0
FARGO WB AIRPORT				T	11.0	3.6	1.6	2.3	T	2.8	T		21.3
FESSENDEN					3.0	17.0	2.0	6.0	.6	4.0			32.6
FLASHER					3.0	8.0	1.0	5.0	1.0	2.0			20.0
FORBES 13 NW				T	5.0	7.0	T	5.0	T	3.0	T		20.0
FORMAN					-	-	-	-	-	-			
FORT YATES					.5	8.7	T	4.9	-	-			
FOXHOLM 7 N					5.4	6.0	T	10.0	T	3.0			24.4
FULLERTON					5.0	-	T	3.5	-	4.0			
GACKLE					3.0	-	.5	3.0	3.3	5.0			
GARRISON					-	-	-	-	T	6.4			
GOLDEN VALLEY 10 S					1.8	3.5	T	-	-	-			
GRAFTON				T	-	-	-	-	-	-			
GRAND FORKS FAA AIRPORT				T	5.7	6.5	3.3	3.6	3.5	.7	T		23.3
GRAND FORKS UNIVERSITY					6.9	8.0	4.1	6.0	3.4	1.0	T		29.4
GRAND RAPIDS 1 N					6.0	11.0	T	3.5	T	6.5			27.0
GRANVILLE					4.0	5.0	.4	12.5	1.0	3.6			26.5
GRENORA					3.0	-	T	7.0	-	-			
HAGUE				T	3.2	10.4	T	5.3	3.5	2.4	T		24.8
HALLIDAY				T	-	-	-	-	-	-			
HANKINSON R R STATION					6.0	-	-	-	-	1.0			
HANNAH				T	1.3	7.1	2.5	9.5	T	3.3	T		23.7
HANSBORO 3 W				T	-	-	-	-	-	-			
HARVEY					4.3	9.6	-	-	-	-			
HETTINGER				T	T	-	-	-	-	-			
HILLSBORO					4.0	-	1.0	2.0	T	3.0			
JAMESTOWN FAA AIRPORT				T	4.0	15.8	.4	3.0	1.0	4.0			28.2
JAMESTOWN STATE HOSP					-	17.7	T	-	1.5	4.5			
KEENE 2 S				T	11.7	6.6	.9	17.2	2.4	13.0			51.8
KENMARE					-	-	-	-	-	-			
KENSAL WILDLIFE REFUGE				T	-	13.5	.5	5.5	.5	-			
KILLDEER 7 NW					-	5.0	1.0	7.0	1.0	9.0			
LANGDON EXP FARM				T	4.8	10.0	4.0	7.9	.1	2.0	.2		29.0
LARIMORE					-	-	-	-	-	-			
LEEDS					2.5	10.2	3.6	6.2	-	5.5			28.0
LINTON					1.4	10.0	T	7.5	.4	T			19.3
LISBON					8.0	7.2	.9	1.5	.6	-			
LITCHVILLE					9.5	9.0	1.0	-	-	7.0			
LOSTWOOD 12 N					5.2	8.0	2.0	16.7	2.0	10.8	T		44.7
MADDOCK AGRI SCHOOL					-	12.1	-	-	-	-			
MANDAN EXP STATION					3.5	8.3	.6	6.4	.8	5.0			24.6
MANDAN FT LINCOLN PARK					3.0	9.0	T	6.0	.5	2.0			20.5
MARMARTH				.2	4.5	-	.6	3.6	1.7	-	T		
MAX					4.7	5.6	.4	15.6	1.1	3.5			30.9
MAYVILLE				T	5.0	4.4	1.6	3.0	.3	4.2			18.5
MC CLUSKY					2.0	5.0	.4	5.0	.1	2.3			14.8
MC HENRY 5 N					3.0	11.2	1.5	2.6	.8	6.8			25.9
MC LEOD 3 E				T	-	-	-	1.6	T	-			
MC VILLE					-	8.0	4.0	3.0	-	9.0			
MEDINA					-	-	T	-	-	-			

See reference notes following Station Index.

MONTHLY AND SEASONAL SNOWFALL

Continued

Season of 1960-1961

NORTH DAKOTA

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total
MEDORA 3 NNE				T	4.0	6.5	.5	6.0	3.5	-			-
MEDORA 22 NNW				T	5.0	-	T	7.0	-	-			-
MINOT FAA AIRPORT				T	5.3	4.7	.4	11.8	.6	4.0	T		26.8
MINOT EXP STATION				T	7.4	5.0	.3	13.1	.3	6.3			32.4
MOFFIT 4 SE				T	1.5	6.5	.4	4.0	T	3.0	T		15.4
MOHALL				T	5.0	4.0	T	14.0	T	2.5	T		25.5
MONTPELIER					6.1	15.4	.9	3.4	.6	4.1			30.5
MOTT					-	-	-	-	-	-			-
MUNICH 4 SW				T	2.5	5.0	4.0	8.3	T	T	T		19.8
NAPOLEON					-	-	1.0	3.0		8.0			-
NEW ENGLAND					1.5	6.5	-	5.0	6.0	-			-
NEW SALEM 1 SE				T	3.5	7.6	1.0	8.0	1.3	4.0			25.4
NEWTOWN					3.5	5.0	T	9.5	1.0	2.0			21.0
OAKES					5.3	-	-	-	-	-			-
PARK RIVER				T	-	8.5	2.5	6.2	T	T			-
PARSHALL					2.8	2.4	.1	8.4	T	1.0	T		14.7
PEMBINA					3.8	7.6	4.0	4.7	T	2.2			22.3
PETERSBURG					1.9	8.4	2.3	4.1	.5	3.9	1.0		22.1
PETTIBONE					1.0	-	-	-	T	-			-
PORTAL					4.5	2.0	.8	8.7	.5	3.5	T		20.0
POWERS LAKE 1 N					2.0	4.0	-	-	1.0	3.0	T		-
PRETTY ROCK					4.5	4.0	2.1	.7	5.0	5.0	T		21.3
RAUB 10 SSW					-	-	T	-	-	6.0			-
REEDER					-	-	-	-	-	-			-
REEDER 14 N					2.0	5.0	.5	3.0	3.0	T	T		13.5
RICHARDSON ABBEY					3.9	5.1	1.3	8.0	5.1	7.5			30.9
RIVERDALE					1.5	3.0	T	7.0	T	4.0			15.5
ROLLA				T	-	7.3	4.0	13.5	1.0	-			-
RUGBY					-	14.2	3.7	24.4	1.0	6.0	T		-
RYDER					-	-	-	-	-	-	T		-
SAN HAVEN				T	3.5	4.7	1.4	9.5	.2	3.2	.4		22.9
SELFRIDGE 5 W					-	-	-	-	-	-			-
SENTINEL BUTTE 20 S				T	-	4.5	-	-	4.5	-			-
SHARON					4.0	6.0	2.5	3.5	2.0	8.5			26.5
SHERWOOD 3 N				T	6.3	4.7	1.5	12.1	.4	1.0	T		26.0
SHIELDS					-	-	T	-	-	-			-
STANLEY					3.5	2.2	-	11.4	.8	11.0			-
STEELE					T	11.5	1.0	7.5	T	14.0			34.0
SYKESTON					1.5	5.5	T	4.0	.3	4.0			15.3
TAGUS					4.5	8.1	T	15.2	1.9	7.0			36.7
TIOGA 1 E				T	2.3	1.7	.2	8.6	.5	1.5	T		14.8
TOWNER					-	-	-	17.0	-	3.0			-
TROTTERS 3 S				.5	4.6	3.9	1.4	7.0	5.2	2.3			24.9
TURTLE LAKE					-	-	T	-	-	-	T		-
TUTTLE					.8	-	.5	4.5	T	5.5	T		-
UNDERWOOD 4 ESE					-	-	-	-	-	2.5			-
UPHAM 3 N					-	6.0	1.0	14.7	.5	4.0			-
VALLEY CITY					9.2	7.7	-	2.7	T	-			-
VELVA					5.0	9.0	.6	13.1	.2	1.0			28.9
VERONA					8.0	6.5	2.0	3.0		6.0			25.5
WAHPETON					-	-	T	-	T	T			-
WALHALLA					-	-	3.1	-	-	T			-
WARWICK					4.0	9.5	3.0	.5	.4	5.0			22.4
WASHBURN					-	-	-	7.0	-	-			-
WATAUGA 5 DAKOTA 8 N					1.0	9.0	T	5.5	1.0	2.0			18.5
WATFORD CITY					-	-	-	-	-	-			-
WATFORD CITY 14 S					-	-	-	-	.9	-			-
WESTHOPE				T	3.0	7.0	-	15.0	1.0	1.0	T		-
WILDROSE					-	-	T	10.0	-	8.0			-
WILLISTON WB CITY					4.5	4.5	.9	11.5	.3	11.4	.1		33.2
WILLISTON EXP FARM					3.5	-	-	-	-	-			-
WILLOW CITY					-	-	.8	7.8	T	2.6	T		-
WILTON					3.0	9.0	T	6.0	-	5.0			-
WISHEK					2.0	10.0	.3	7.3	5.0	4.0			28.6
WOODWORTH					-	-	-	-	-	-			-

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
JUNE 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	79	70	82	87	90	91	90	95	96	92	97	83	82	69	73	81	90	88	77	85	89	74	80	85	92	100	98	98	94	94	86	86.4
	MIN	54	41	46	52	55	59	59	61	61	57	61	57	62	51	47	51	57	64	77	85	89	50	47	47	56	66	66	68	66	64	56.2	
AMENIA	MAX	80	78	82	89	88	86	89	91	84	85	91	89	81	72	75	80	86	87	83	81	76	76	78	82	81	92	95	93	93	89	84.4	
	MIN	62	50	45	50	54	55	54	58	56	59	60	59	57	45	43	43	52	55	45	43	46	47	47	50	52	55	64	59	66	52.8		
AMIDON	MAX	70	73	75	82	83	86	85	86	88	89	92	94	85	67	66	85	67	85	82	79	80	81	82	75	83	90	95	93	99	97	81.0	
	MIN	54	41	47	49	54	54	58	64	59	55	58	55	61	48	46	47	56	57	52	52	60	47	53	45	54	58	63	63	67	63	54.7	
ARVILLA STATE PARK	MAX	78	75	88	97	96	91	95	91	77	83	83	86	83	75	82	87	95	88	81	79	75	75	79	80	87	99	97	94	93	92	86.4	
	MIN	55	47	41	57	53	44	51	58	52	51	58	60	52	42	34	50	51	57	37	33	36	49	41	46	40	58	51	49	63	61	49.2	
ASHLEY	MAX	80	68	80	86	88	82	81	87	92	89	93	80	71	66	69	75	81	85	76	84	88	73	74	82	78	96	101	94	87	88	82.5	
	MIN	53	42	40	48	51	48	52	52	58	56	56	62	59	49	40	48	51	55	46	41	50	51	39	41	45	59	59	61	59	66	51.2	
BEACH	MAX	66	74	71	84	86	87	87	91	89	93	87	91	87	70	67	75	83	91	83	73	83	82	70	78	82	91	95	92	99	95	83.4	
	MIN	52	41	42	47	50	50	57	64	50	52	57	57	59	48	48	50	55	60	52	51	58	46	42	43	50	54	59	61	69	61	52.8	
BELCOURT INDIAN RES	MAX	71	69	82	91	85	86	90	89	79	86	90	87	75	71	73	85	95	80	75	76	74	70	75	74	85	87	97	95	94	80	82.2	
	MIN	48	44	45	50	55	45	49	60	52	59	49	60	50	42	32	46	46	64	35	33	49	46	35	41	39	59	54	47	59	57	48.3	
BELFIELD	MAX	74	71	80	85	86	87	88	93	94	86	92	87	77	67	74	83	85	85	74	82	81	75	80	86	89	95	92	96	96	86	84.2	
	MIN	54	39	43	53	49	47	53	60	55	61	57	60	59	49	44	48	52	58	47	49	55	52	49	54	55	58	57	58	57	61	53.1	
BEULAH	MAX	79	73	88	91	91	92	94	95	97	89	95	90	82	73	80	87	95	93	83	83	89	78	81	84	95	100	97	101	96	89	88.7	
	MIN	51	41	39	45	51	57	53	62	51	59	55	63	61	53	52	53	62	65	50	50	58	50	43	43	51	63	58	59	61	64	54.1	
BISBEE	MAX	70	72	85	94	87	90	93	92	82	87	92	84	78	75	78	88	96	83	72	78	64	70	77	87	90	100	98	97	85	83	84.2	
	MIN	46	46	45	52	52	49	59	60	51	60	59	66	56	42	44	48	56	48	39	42	48	50	57	50	58	59	58	97	58	51	51.7	
BISMARCK WB AIRPORT	MAX	81	74	85	90	90	90	89	94	95	90	96	78	81	72	76	82	91	90	73	84	92	73	79	82	90	98	100	98	93	83	86.3	
	MIN	55	47	45	47	53	50	54	55	52	60	56	62	59	47	36	49	54	59	44	44	55	50	39	43	45	62	55	62	56	61	51.9	
BOTTINEAU	MAX	74	75	72	86	93	86	89	92	91	87	89	90	86	76	75	78	90	100	83	72	80	77	74	79	82	92	93	98	96	86	84.7	
	MIN	48	42	44	42	61	53	58	58	52	59	51	66	56	47	44	47	52	58	38	40	51	49	41	50	49	63	61	59	65	59	52.1	
BOWBELLS	MAX	73	73		95	90	91	95	90	95	87	91	88	75	76		79	91	99	83	74	84	81	72	81	86	93	93	91	97	87	86.1	
	MIN	44	32		54	50	53	58	55	55	50	52	54	40	40	50	54	59	54	38	41	52	48	38	47	52	62	59	91	67	59	50.9	
BOWMAN COURT HOUSE	MAX		74	78	85	88	86	89	88	95	89	92	87	75	68	72	76	94	89	78	85	82	68	79	82	90	97	93	98	96	85	84.8	
	MIN	54	43	48	55	53	54	60	60	53	61	58	58	49	45	48	59	57	52	50	52	48	44	48	45							52.1	
BREIEN	MAX	81	79	84	89	92	91	90	95	99	91	98	90	76	72	75	83	91	91	86	87	93	77	81	84	92	100	102	99	91	86	88.2	
	MIN	55	43	36	48	48	52	52	52	53	58	58	63	61	53	40	48	50	58	52	48	52	53	41	40	42	63	49	54	59	66	51.6	
BUTTE	MAX	72	76	72		91	88	89	91	96	89	89	94	86	77	74	78	86	98	85	73	84	88	75	79	83	93	97	99	100	91	86.0	
	MIN	50	41	45		51	51	59	62	51	59	58	57	55	44	44	49	59	54	43	42	58	50	44	44	50	63	63	56	57	63	52.5	
CARRINGTON	MAX	78	76	73	83	90	86	89	89	91	87	86	93	82	79	72	77	82	91	86	70	79	73	72	77	79	87	96	103	93	91	83.7	
	MIN	53	47	43	53	53	48	54	59	54	57	56	64	57	47	39	46	57	56	43	42	52	49	40	50	48	57	55	55	58	60	51.8	
CARSON	MAX	80	80	71	82	88	91	92	91	95	96	89	98	85	79	71	72	81	89	87	69	84	88	72	78	82	90	98	99	100	92	85.6	
	MIN	50	37	48	55	51	54	56	59	57	55	60	64	60	50	47	51	56	60	50	51	56	49	43	45	55	63	64	67	62	61	54.5	
CAVALIER	MAX	76	75	86	95	86	88		78	78	84	93	91	86	74	82	87	99	86	80	77	75	76	80	82	87	95	97	97	90	86	87.3	
	MIN	54						57	63	53	57	57	62	50	41	42	53	59	58	42	45	44	48	50	53	49	63	57	57	62	62	53.5	
CENTER	MAX	77	71	82	92	90	93	92	94	97	89	95	86	77	74	75	85	93	90	74	88	87	74	80	83	92	98	96	98	95	85	86.7	
	MIN	46	41	46	47	49	46	52	54	53	58	53	66	60	46	45	48	55	62	48	45	57	50	50	40	46	61	62	59	55	62	52.2	
COOPERSTOWN	MAX	78	73	83	92	85	86	89	91	78	87	94	81	80	73	77	81	90	89	85	80	76	73	78	83	85	97	99	97	90	89	84.6	
	MIN	55	45	43	48	57	56	56	62	53	60	58	62	56	47	41	49	55	59	40	40	51	49	40	47	45	59	60	55	57	62	52.2	
CROSBY	MAX	72	74	87	91	91	91	95	91	93	89	91	87	85	75	79	89	97	80	74													

DAILY TEMPERATURES

NORTH DAKOTA
JUNE 1961

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX MIN	73 50	74 43	71 46	79 50	90 58	88 59	88 60	92 62	88 59	88 61	93 58	94 59	87 55	75 45	75 43	77 47	83 49	91 56	86 45	73 43	84 55	86 51	72 47	80 50	87 54	90 61	98 67	97 60	96 57	90 57	84.8 53.6	
GRAFTON	MAX MIN	77 56	74 50	87 46	96 58	94 54	88 50	93 55	92 62	74 54	82 57	90 55	90 60	84 53	73 43	80 38	85 51	96 58	92 54	81 39	76 40	75 43	75 50	78 47	80 51	85 46	97 53	99 58	96 57	93 61	89 63	85.7 52.1	
GRANO FORKS FAA AIRPORT	MAX MIN	78 55	74 50	87 46	96 58	87 60	89 58	92 57	83 59	77 57	87 60	93 60	87 62	81 57	75 48	81 39	86 52	93 60	90 55	74 40	77 40	61 43	74 48	81 43	83 48	85 45	97 61	98 56	92 52	93 64	80 66	84.2 53.3	
GRANO FORKS UNIVERSITY	MAX MIN	76 58	72 51	86 45	95 58	86 58	88 59	92 58	85 62	73 55	84 59	94 60	85 63	80 56	74 48	80 42	84 51	92 57	88 56	79 40	76 44	71 47	74 50	79 44	80 48	84 47	96 58	95 59	94 57	93 64	86 66	84.0 54.0	
GRANO RAPIOS 1 N	MAX MIN	81 55	76 44	82 39	90 45	90 50	89 51	87 52	91 55	92 55	91 63	93 60	85 65	79 60	74 52	74 38	79 46	86 53	82 47	82 35	79 51	77 51	80 51	80 48	87 55	96 62	99 55	88 53	88 55	89 64	85.1 50.6		
GRANVILLE	MAX MIN	75 49	69 44	84 46	91 52	88 54	90 49	92 59	94 61	88 55	88 60	93 55	88 56	78 58	75 45	77 43	88 55	98 65	85 43	75 41	85 58	74 52	78 42	83 47	90 51	96 62	100 54	96 62	100 64	82 62	86 62	85.3 53.3	
GRENOIRA	MAX MIN	74 48	74 37	87 43	92 43	94 50	93 51	93 52	88 61	93 49	86 53	90 51	88 59	85 55	77 44	80 38	90 59	98 57	83 54	76 40	85 52	82 41	73 58	82 44	85 48	93 50	91 57	90 61	96 51	81 58	82 59	86.4 51.4	
HANKINSON R R STATION	MAX MIN	88 57	80 47	68 47	79 55	87 55	90 56	84 56	83 57	90 57	86 61	85 61	94 61	86 60	75 51	68 45	70 47	72 52	82 51	86 52	68 45	79 52	72 54	71 47	75 50	77 50	82 54	89 58	95 63	92 64	92 64	81.5 54.5	
HANNAH	MAX MIN	70 50	73 47	84 45	90 51	82 48	87 51	91 55	79 59	77 49	85 55	88 51	85 58	74 48	71 38	77 41	84 47	94 55	79 54	72 34	72 38	69 44	76 46	76 39	84 45	91 44	96 51	94 54	89 44	81 59	81 58	81.3 48.6	
HANSBORO	MAX MIN	72 47	71 45	84 48	92 52	85 47	89 50	92 58	85 61	81 49	87 57	90 53	87 64	76 46	72 56	76 48	86 56	95 51	79 51	73 34	74 35	72 44	69 46	75 45	75 48	85 46	87 50	98 52	95 55	92 53	81 56	82.5 48.7	
HETTINGER	MAX MIN	75 56	67 45	76 46	80 49	85 54	84 53	86 55	89 60	94 55	87 60	92 63	84 60	74 60	68 54	70 48	76 52	86 54	85 54	76 54	80 54	83 61	69 48	75 44	79 48	88 54	95 58	93 59	97 69	95 64	85 65	82.5 55.0	
HILLSBORO	MAX MIN	78 58	77 47	85 44	91 54	86 56	88 58	90 56	86 60	77 55	89 56	94 59	86 62	78 57	72 47	77 41	80 42	98 54	90 59	74 44	78 43	74 42	78 51	79 47	84 50	92 54	95 58	91 62	92 65	88 63	83.7 53.2		
JAMESTOWN FAA AIRPORT	MAX MIN	79 51	72 47	83 43	89 47	86 55	89 52	89 55	93 58	87 52	92 63	85 63	80 64	80 47	73 38	74 47	88 55	90 54	72 44	81 41	70 53	74 48	78 43	79 45	87 45	97 57	105 57	94 61	95 59	83 61	84.4 52.0		
JAMESTOWN STATE HOSP	MAX MIN	79 57	72 46	84 40	91 49	87 57	87 54	88 55	94 60	87 56	92 63	94 63	78 60	71 59	71 43	80 43	89 57	87 52	83 46	81 41	75 56	72 44	77 48	78 48	97 51	105 44	95 58	92 64	87 65	82 67	84.7 53.2		
KEENE 2 S	MAX MIN	64 45	71 35	85 47	89 54	90 53	90 56	91 53	90 62	93 51	93 53	93 54	94 64	79 55	73 44	74 49	85 54	90 54	93 54	85 43	84 47	82 48	74 44	79 41	84 46	93 54	94 59	91 64	95 62	93 61	94 66	86.2 51.9	
KENMARE	MAX MIN	74 48	74 36	74 43	88 54	94 54	90 52	90 56	95 57	90 57	95 58	86 51	90 51	77 53	77 40	76 43	78 55	90 60	97 51	85 40	73 43	84 51	82 48	73 40	80 45	85 50	93 54	94 60	92 54	97 61	88 60	85.8 51.4	
KENSAL WILDLIFE REFUGE	MAX MIN	81 54	78 44	83 49	92 55	90 49	92 46	93 52	94 58	85 55	92 59	99 61	83 57	76 49	77 37	82 45	94 55	90 45	83 41	82 38	75 52	80 48	89 39	80 44	89 52	106 44	100 52	93 56	92 56	92 60	87.4 50.2		
LANGOON EXP FARM	MAX MIN	74 48	73 45	85 47	93 49	87 52	88 50	92 56	90 55	79 48	83 56	92 49	84 57	80 47	72 37	80 39	87 47	98 57	88 52	79 32	77 40	75 46	74 53	78 37	83 43	85 46	94 59	97 55	98 60	93 60	82 58	84.7 48.5	
LARIMORE	MAX MIN	77 48	72 48	85 46	93 56	90 57	89 50	92 52	87 53	78 53	82 57	92 59	86 62	82 54	73 49	87 41	83 50	92 50	87 56	75 40	78 41	72 44	79 46	79 50	84 45	84 43	96 51	96 58	92 56	90 63	91 63	83.9 52.0	
LEEDS	MAX MIN	75 49	72 47	85 45	92 47	88 55	89 44	93 60	83 62	88 52	94 61	90 58	80 54	74 43	78 58	86 52	97 59	85 55	78 42	80 37	77 43	72 43	76 37	80 43	88 52	95 43	102 53	97 52	92 61	86 66	85.5 51.2		
LINTON	MAX MIN	82 49	76 37	88 49	90 51	91 58	89 50	88 51	93 51	97 51	94 51	97 51	86 51	77 52	70 43	76 48	82 54	87 48	91 56	76 42	85 40	94 48	79 51	80 43	88 45	91 43	100 51	105 65	99 65	90 65	85 60	87.5 51.2	
LISBON	MAX MIN	85 56	70 45	79 42	86 50	89 54	88 57	87 58	90 58	90 58	90 60	93 58	85 65	71 60	71 50	73 40	76 46	83 55	84 58	80 47	79 39	72 50	77 53	78 43	81 45	84 43	91 51	93 55	90 54	87 60	91 67	83.4 52.4	
LOSTWOOD 12 N	MAX MIN	73 47	70 38	85 44	90 46	89 49	87 50	92 51	89 51	90 51	91 51	88 49	87 52	84 38	75 44	80 47	95 54	89 47	75 39	79 47	75 47	77 36	84 41	90 49	81 48	91 49	89 56	84 49	89 56	82 58	84.4 48.0		
MAADOCK AGRIC SCHOOL	MAX MIN	71 50	82 44	86 45	94 55	92 51	94 55	96 55	93 60	89 53	88 56	92 60	86 54	80 53	80 45	84 37	88 55	98 56	85 40	72 40	80 52	75 47	74 41	74 47	81 48	92 48	97 60	106 56	101 54	97 57	87 60	87.1 50.8	
MANDAN EXP STATION	MAX MIN	74 53	77 43	70 40	82 49	87 52	89 53	90 57	88 59	92 54	95 60	89 58	95 65	79 61	79 52	71 40	75 50	82 56	91 63	89 50	74 49	84 56	91 52	74 44	78 44	81 49	91 61	98 58	99 66	99 66	95 63	85.3 53.8	
MANDAN FT LINCOLN PARK	MAX MIN	81 51	76 46	87 38	91 54	90 54	93 49	91 52	97 56	97 54	92 56	97 62	93 62	78 54	72 46	77 36	82 61	89 51	89 44	86 44	82 52	84 48	80 44	84 48	93 46	100 53	103 61	97 53	92 61	91 60	88.8 50.9		
MARMARTH	MAX MIN	74 54	70 40	72 36	82 41	85 46	87 47	86 46	90 51	92 51	98 52	91 55	95 56	89 59	74 45	68 46	76 46	81 55	90 58	88 52	74 40	88 54	83 50	70 43	80 43	85 49	95 51	99 62	94 62	102 67	100 63	85.3 50.4	
MAX	MAX MIN	65 49	72 43	79 41	83 45	88 57	85 54	88 55	89 55	92 55	88 58	86 55	92 61	82 57	73 45	71 43	75 47	85 53	95 56	83 44													

Continued

DAILY TEMPERATURES

NORTH DAKOTA
JUNE 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICH 4 SW	MAX MIN	74 49	70 47	83 41	92 47	87 50	87 51	91 53	89 55	83 50	87 57	92 49	86 60	77 48	72 38	78 41	82 42	95 45	84 53	75 34	76 35	72 43	72 45	77 40	78 38	85 46	92 59	99 54	97 49	85 57	81 59	83.3 47.8	
NAPOLEON	MAX MIN	79 54	70 41	80 39	89 47	88 52	88 52	87 53	91 57	94 55	91 63	96 59	82 66	76 59	72 49	75 35	81 44	90 53	89 59	74 47	83 43	93 54	83 52	79 38	80 41	89 45	99 63	103 57	96 61	91 61	84 66	85.7 52.3	
NEW ENGLAND	MAX MIN	75 54	70 43	80 42	84 46	87 52	86 50	86 51	90 59	94 56	86 55	92 56	87 63	70 62	68 50	72 43	81 46	88 50	86 60	71 50	81 51	83 56	70 47	76 41	81 44	89 48	95 65	93 55	97 62	95 65	85 63	83.3 52.8	
NEW SALEM 1 SF	MAX MIN	78 50	70 41	87 48	88 52	90 52	90 53	88 56	95 59	95 60	90 58	96 60	82 63	75 59	70 47	72 40	81 48	89 59	86 62	75 45	89 55	87 55	73 48	79 48	82 50	91 50	99 64	98 63	97 64	94 65	84 63	85.7 54.6	
NEWTOWN	MAX MIN	75 51	71 41	85 42	87 48	89 57	88 52	89 55	88 63	92 52	86 55	91 63	90 65	75 58	74 47	75 48	86 53	94 56	91 55	81 46	82 51	80 55	74 49	78 42	80 44	90 54	92 59	91 59	90 57	90 62	84 62	84.7 53.1	
OAKES	MAX MIN	85 57	77 45	67 40	77 48	86 53	85 54	81 56	81 57	88 59	91 63	88 62	92 68	81 62	71 50	66 44	71 45	81 54	87 58	69 39	79 55	76 53	77 43	75 47	77 53	83 61	93 57	97 61	97 61	87 59	85 66	81.1 53.5	
PARK RIVER	MAX MIN	79 55	75 50	86 48	97 61	88 53	91 49	95 60	92 62	77 52	83 56	93 60	89 60	86 52	77 42	81 42	85 55	97 62	96 47	74 39	79 40	76 43	75 51	80 46	82 51	87 48	98 63	98 54	97 59	93 63	91 61	86.6 52.8	
PARSHALL	MAX MIN	75 47	72 42	85 43	89 47	89 54	90 52	91 56	91 55	94 58	90 55	94 56	92 56	74 56	73 44	76 43	86 50	95 55	90 53	81 42	84 46	85 55	76 51	79 37	84 39	91 51	96 62	95 61	95 55	92 55	89 60	86.4 50.4	
PEMBINA	MAX MIN	77 52	73 49	86 44	95 51	85 55	88 51	92 58	80 62	78 50	83 55	90 55	85 62	80 53	73 44	80 41	86 48	97 56	86 54	78 45	76 43	73 43	75 44	80 41	80 43	85 45	95 60	95 53	95 54	90 62	85 64	84.0 51.6	
PETERSBURG	MAX MIN	77 54	71 45	83 44	93 51	88 55	87 51	91 58	87 62	73 50	82 57	89 57	84 61	77 53	70 44	78 43	82 48	92 55	81 55	78 39	76 40	71 45	70 47	76 40	78 40	83 47	94 60	98 60	94 57	88 60	84 62	82.5 51.3	
PETTIBONE	MAX MIN	78 49	72 44	85 39	89 45	87 54	88 51	90 54	93 55	90 54	98 60	90 58	88 63	77 56	69 45	77 45	84 54	94 56	87 56	84 45	80 39	77 55	74 44	76 45	79 45	90 48	96 60	106 59	94 65	91 58	86 61	85.4 53.5	
PORTAL	MAX MIN	70 48	73 37	74 44	87 51	92 54	90 54	94 56	88 61	90 52	85 53	89 52	88 54	89 54	74 43	76 50	80 43	88 58	95 55	81 41	71 52	81 55	79 48	71 40	80 40	93 51	90 61	89 61	96 58	86 58	81.9 51.9		
POWERS LAKE 1 N	MAX MIN	67 46	72 35	87 45	87 50	91 56	87 54	89 56	91 54	90 52	93 57	87 54	90 54	87 57	78 47	70 46	78 45	90 53	88 58	74 41	75 46	85 55	80 49	81 35	81 40	90 49	93 60	93 55	93 54	95 62	95 55	85.1 50.4	
RAUB 10 SSW	MAX MIN	69 52	68 45	80 50	85 48	87 54	89 51	90 55	91 59	94 60	89 55	93 60	81 65	74 59	74 46	77 49	80 55	93 57	80 55	87 51	85 44	81 50	73 48	84 50	89 50	89 52	99 55	99 60	91 56	90 60	85 60	84.7 54.0	
RICHARDTON ABBEY	MAX MIN	77 53	72 41	83 45	88 48	88 57	88 55	89 56	90 61	95 63	88 56	92 63	86 63	81 58	69 49	75 45	80 50	89 58	84 61	79 49	83 54	84 55	77 47	77 46	82 50	91 52	96 61	93 62	92 66	88 53	85.1 54.6		
RIVEROALE	MAX MIN	69 51	72 43	69 46	83 48	87 53	89 50	89 55	90 62	90 53	91 58	85 56	92 64	85 59	75 48	79 43	76 48	83 49	96 58	86 45	74 50	83 57	84 52	73 47	77 48	82 52	91 64	97 62	92 59	97 56	94 63	84.3 53.3	
ROLLA	MAX MIN	72 51	70 45	83 46	91 48	83 51	87 54	90 58	88 63	78 51	85 58	88 54	83 57	73 50	71 41	74 48	84 51	94 56	79 58	72 42	75 40	67 40	69 48	74 53	76 53	85 52	87 59	77 57	95 54	89 57	80 58	81.3 51.9	
RUGBY	MAX MIN	76 49	73 46	84 43	93 56	92 52	91 56	94 58	93 52	86 52	89 56	94 55	90 62	83 55	81 45	79 48	86 53	98 58	90 43	80 41	80 54	78 57	73 48	80 51	78 45	94 62	100 68	100 64	92 62	88 61	86.8 53.9		
SAN HAVEN	MAX MIN	72 52	71 45	85 50	92 46	87 58	87 56	91 56	87 61	81 56	87 61	90 56	84 64	73 54	71 47	73 42	85 49	95 61	81 61	73 41	75 44	72 51	68 48	75 45	82 45	86 47	88 64	95 63	95 62	88 59	80 56	82.3 53.2	
SHARON	MAX MIN	76 55	70 45	82 40	90 51	89 56	88 51	88 57	91 57	75 53	83 51	92 58	85 61	80 54	72 45	75 40	80 50	89 55	85 56	83 38	78 40	72 49	71 41	75 50	78 50	81 47	94 60	94 58	94 57	91 61	86 61	82.9 51.6	
STANLEY	MAX MIN	72 49	70 40	85 45	90 49	88 54	89 57	90 61	88 59	81 53	83 55	90 52	84 60	75 55	75 43	76 47	88 51	95 58	85 55	74 40	84 50	86 54	74 54	81 44	81 44	91 54	92 60	91 55	93 50	80 61	83.5 51.8		
STEELE	MAX MIN	79 52	75 42	83 43	88 45	89 53	90 55	93 58	93 58	95 58	90 58	97 59	93 62	80 60	73 49	74 43	82 47	92 54	89 56	85 46	83 47	87 55	83 49	78 44	81 47	89 52	100 63	102 57	96 60	92 61	89 63	87.2 53.0	
TIOGA 1 E	MAX MIN	69 50	75 35	72 43	88 46	91 46	88 53	89 50	92 63	89 53	92 58	84 49	88 60	83 57	74 44	84 48	77 53	88 50	94 58	84 44	74 51	87 56	80 45	72 38	80 41	84 55	91 57	93 60	90 56	93 63	90 60	84.2 51.4	
TOWNER	MAX MIN	77 46	75 44	87 44	93 50	92 47	92 42	94 58	95 52	89 53	89 56	93 55	88 53	79 58	75 43	80 43	88 53	98 52	82 40	81 38	80 56	75 48	82 51	84 43	84 43	92 49	97 53	100 62	100 57	94 62	86 60	87.3 51.2	
TROTTERS 3 S	MAX MIN	73 53	70 41	83 42	86 49	88 58	89 55	90 64	87 59	94 52	85 52	92 58	90 60	79 59	70 48	75 47	85 50	92 54	85 58	73 48	85 51	82 58	71 45	79 47	84 49	93 53	95 63	92 64	99 64	97 61	84 61	84.9 54.1	
TURTLE LAKE	MAX MIN	78 49	72 43	85 46	94 50	89 56	91 50	90 58	94 60	92 55	88 59	93 58	90 62	80 59	73 46	77 48	84 50	95 55	93 59	75 45	84 46	89 56	78 52	80 45	82 45	92 48	100 63	99 61	99 59	93 58	89 62	87.3 53.4	
TUTTLE	MAX MIN	77 50	75 43	82 42	88 49	86 53	89 51	91 52	89 57	91 53	97 59	87 55	83 63	80 58	75 48	76 38	83 45	93 55	92 57	86 43	82 42	86 52	82 48	78 41	80 43	92 45	97 51	101 56	97 56	93 54	91 59	86.8 50.6	
UNOERWOOD 4 ESE	MAX MIN	74 49	71 45	84 47	88 49	87 59	90 49	90 57	92 60	91 52	88 58	90 63																					

DAILY TEMPERATURES

NORTH DAKOTA
JUNE 1961

Continued

Station		Day Of Month																															JUNE 1961
																																	Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	76	70	78	88	88	90	90	94	94	89	95	88	79	73	76	82	94	90	72	83	89	79	77	81	92	97	98	96	94	87	86.0 52.2	
	MIN	48	38	40	44	56	56	51	55	55	58	58	64	57	45	41	46	52	59	45	48	54	50	47	50	51	57	60	64	53	63		
WISHEK	MAX	82	79	71	78	85	87	86	85	88	94	90	94	74	75	67	72	79	85	88	73	83	89	74		78	87	96	102	94	87	83.5 49.9	
	MIN	53	40	35	42	48	48	48	53	55	61	53	64	58	47	33	44	47	53	45	34	47	52	35		60	59	64	55	64			

EVAPORATION AND WIND

Station		Day of month																															Total to Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DEVILS LAKE WB CITY	EVAP	.22	.20	.32	.40	.37	.26	.33	.34	.16	.08	.51	.32	.30	.31	.30	.34	.43	.41	.20	.33	.51	*	*	.56	.29	.23	.34	.40	.40	.42	.17	9.08
	WIND	59	54	60	59	42	32	27	57	19	53	35	43	53	56	48	71	65	35	53	30	42	45	29	25	26	52	46	48	51	55	1366	
	MAX	75	80	84	85	90	87	91	91	92	94	88	93	87	69	72	79	90	93	90	82	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	55	45	48	54	60	57	59	61	57	58	62	62	64	53	53	53	53	61	53	56	-	-	-	-	-	-	-	-	-	-	-	-
DICKINSON EXP STATION	EVAP	.21	.31	.30	.35	.30	.29	.30	.36	.35	.51	.44	.40	.36	.11	.21	.29	.30	.41	.24	.36	.74	.20	.20	.30	.40	.30	.51	.49	.65	-	10.54	
	WIND	140	130	70	75	45	50	30	80	60	90	80	60	130	100	70	110	50	90	50	60	230	60	40	65	65	60	110	160	220	-	2670	
	MAX	75	80	84	85	90	87	91	91	92	94	88	93	87	69	72	79	90	93	90	82	-	-	-	-	-	-	-	-	-	-	-	
	MIN	55	45	48	54	60	57	59	61	57	58	62	62	64	53	53	53	53	61	53	56	-	-	-	-	-	-	-	-	-	-	-	
EDGELEY EXP FARM	EVAP	.38	.24	.31	.38	.30	.32	.46	.42	.31	.28	.38	.23	.21	.12	.22	.24	.23	.41	.32	.36	.28	.30	.30	.30	.40	.15	.20	.51	.39	.61	9.56	
	WIND	101	70	115	57	41	56	45	29	65	55	30	38	61	80	57	38	52	53	61	28	3	-	-	-	-	-	-	49	67	86	1671	
	MAX	75	80	84	85	90	87	91	91	92	94	88	93	87	69	72	79	90	93	90	82	-	-	-	-	-	-	-	-	-	-	-	
	MIN	55	45	48	54	60	57	59	61	57	58	62	62	64	53	53	53	53	61	53	56	-	-	-	-	-	-	-	-	-	-	-	
MANDAN EXP STATION (A)	EVAP	.20	.32	.18	.24	.20	.31	.24	.27	.27	.28	.25	.33	.16	.23	.21	.25	.24	.25	.34	.25	.28	.45	.24	.22	.27	.30	.25	.42	.27	.58	8.30	
	WIND	148	175	64	70	35	100	49	58	69	81	60	88	95	152	90	93	80	74	126	71	80	248	103	48	72	93	61	152	61	264	2960	
	MAX	75	80	84	85	90	87	91	91	92	94	88	93	87	69	72	79	90	93	90	82	-	-	-	-	-	-	-	-	-	-	-	
	MIN	52	43	52	54	56	52	58	62	59	60	52	64	60	47	47	44	49	58	50	52	56	52	52	49	53	63	62	62	59	64	54.8	
RIVERDALE	EVAP	.21	.27	.25	.36	.32	.39	.35	.38	.31	.40	.33	.35	.36	.24	.21	.37	.36	.34	.36	.30	.33	.35	.31	.18	.30	.35	.39	.38	.39	.47	9.91	
	WIND	100	117	71	87	55	112	51	53	74	91	60	48	118	157	92	108	77	56	92	43	86	153	55	32	61	76	78	92	93	227	2615	
	MAX	67	73	71	73	90	84	85	90	85	88	85	88	78	70	74	70	72	90	85	76	83	80	70	83	81	88	93	87	86	86	81.0	
	MIN	52	43	52	54	56	52	58	62	59	60	52	64	60	47	47	44	49	58	50	52	56	52	52	49	53	63	62	62	59	64	54.8	
WILLISTON EXP FARM	EVAP	*	*	1.12	.32	.38	.38	.61	.36	.51	.41	.30	.34	.18	.19	.29	.31	.43	.40	.27	.36	.70	.36	.31	.37	.42	.44	.34	.23	.59	.69	11.61	
	WIND	71	18	11	2	8	4	5	23	10	77	7	11	19	14	13	6	19	24	30	14	181	88	8	10	7	26	58	12	94	128	998	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Season of 1960-1961

NORTH DAKOTA

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Normal July-June
ALMONT 7 SW	10	17	199	533	1022	1395	1388	1162	911	770	362	27	7796	
AMENIA	12	10	121	516	1023	1712	1736	1310	983	777	353	30	8583	
AMIDON	6	28	192	514	1027	1436	1335	1097	943	781	432	43		
ARVILLA STATE PARK	19	17	195	591	1125	1778	1851	1404	1059	812	374	52	9224	
ASHLEY	19	24	177		1037	1594	1618	1329	958	803	449	58		
BEACH	18	57	222	589	1069	1435	1409	1093	938	846	387	53	8116	
BELCOURT INDIAN RES	35	65	295	660	1232	1688	1816	1449	1229	908	471	86	9934	
BELFIELD		36	228	592	1080	1400	1356	1102	920	821	382	32		
BEULAH	8	15	200	536	1071	1425	1416	1217	898	753	321	16	7876	
BISBEE	20	28	234	636	1192	1674	1805	1452	1183	867	422	52	9565	
BISMARCK WB AIRPORT	7	13	228	551	1076	1488	1437	1283	892	733	344	36	8088	9033
BOITINEAU	37	45	286	651	1204	1690	1829	1474	1201	889	413	50	9769	
BOWBELLS	21	50	248	634	1204	1556	1581	1346	1106	885	425	53	9109	
BOWMAN COURT HOUSE	11	32	173	504	1028				951	814	386	45		
BREIEN	10	11	203	515	1055	1468	1425	1242	892	760	348	25	7954	
BUTTE	28	45	229	551	1135	1530	1590	1324	1057	853	417	44	8803	
CARRINGTON	35	48	257	615	1103	1680	1717	1385	1050	879	461	48	9278	
CARSON	7	38	224	570	1065	1461	1447	1183	929	823	406	35	8188	
CAVALIER	12	10	171	559	1103	1715	1823	1353	1083	843	349	31	9052	
CENTER	17	33	250	592	1083	1465	1459	1264	947	789	388	33	8320	
COOPERSTOWN	22	16	201	552	1083	1694	1751	1347	1007	859	383	37	8952	
CROSBY	20	33	234	592	1160	1489	1528	1247	1041	812	426	20	8602	
DEVILS LAKE WB CITY	28	31	230	610	1135	1704	1791	1381	1084	871	413	49	9327	9940
DICKINSON FAA AIRPORT	9	27	214	545	1049	1389	1370	1111	922	808	390	36	7870	
DICKINSON EXP STATION	25	53	244	603	1114	1490	1443	1159	956	833	395	47	8362	
DRAKE	26	41	225	591	1135	1586	1624	1351	1036	870	414	45	8944	
DUNN CENTER 2 SW	16	48	230	566	1088	1467	1438	1226	950	834	433	46	8342	
ECKMAN 2 SE	34	42	253											
EDGELEY EXP FARM	28	26	215	542	1030	1625	1632	1357	962	815	450	56	8738	
EDMORE 1 N	47	30	250	668	1144	1609	1900	1452	1141	888	452	89	9670	
ELLENDAL	10	11	179	497	993	1563	1565	1257	867	749	368	32	8091	
ENDERLIN	28	18	227	587	1049	1723	1763	1354	996	831	445	59	9080	
FAIRFIELD	16	42	199	552	1071	1424	1443	1141	942	856	389	34	8109	
FARGO WB AIRPORT	23	9	223	538	1046	1701	1803	1292	936	811	375	41	8798	9274
FESSENDEN	18	34	224	560	1061	1565	1646	1285	997	784	378	33	8585	
FORMAN	12	12	214	500	993	1587	1685	1247	927	776	354	39	8346	
FORT YATES	5	20	243	529		1485	1453	1208		687	339	11		
FOXHOLM 7 N	6	17	198	543	1108	1481	1485	1266	1017	804	384	24	8333	
FULLERTON	10	9	218	551	1081	1695	1708	1360	951	792	397	47	8813	
GACKLE	14	15	196	483	990	1581	1646	1292	955	819	395	44	8430	
GARRISON	18	34	223	563	1111	1525	1482	1409	1020	835	424	41	8685	
GRAFTON	68	20		537	1084	1774	1826	1396	1024	824	365	39		
GRAND FORKS FAA AIRPORT	39	20	246	599	1114	1738	1847	1358	1004	824	380	46	9215	
GRAND FORKS UNIVERSITY	24	7	205	547	1083	1737	1800	1361	990	820	334	35	8943	
GRAND RAPIDS 1 N	17	18	205	514	1010	1654	1645	1273	909	765	353	42	8405	
GRANVILLE	15	25	213	560	1149	1546	1548	1284	1022	810	376	38	8586	
GRENORA	12	44	225	571	1146	1456	1474	1197	984	816	349	32	8306	
HANKINSON R R STATION	27	13	241	535	992	1645	1656	1247	974	844	436	46	8656	
HANNAH	47	49	279	677	1226	1778	1933	1476	1235	907	467	81	10155	
HANSBORO 3 W				539			1790	1323				79		
HETTINGER	14	22	210	532	1012	1366	1366	1084	922	782	388	37	7735	
HILLSBORO	12	8	183	500	1023	1686	1756	1306	953	787	354	39	8607	
JAMESTOWN FAA AIRPORT	17	22	222	563	1054	1647	1678	1333	980	824	409	49	8798	
JAMESTOWN STATE HOSP	11	12	198	554	1040	1613	1646	1311	959	803	380	33	8560	
KEENE 2 S	20	41	247	565	1134	1468	1507	1233	969	837	336	46	8403	
KENMARE	27	40	237	610	1173	1530	1549	1325	1096	902	422	48	8959	
KENSAL WILDLIFE REFUGE	18	17	203	547	1051	1624	1643	1333	992	809	370	34	8641	
LANGDON EXP FARM	37	40	254	647	1194	1789	1905	1457	1189	891	438	58	9899	
LARIMORE	19	11	197	569	1088	1697	1762	1379	1040	844	383	45	9034	
LEEOS	23	26	217	594	1141	1670	1742	1394	1051	821	391	47	9117	
LINTON	5	13	194	492	1031	1508	1510	1222	905			43		
LISBON	15	11	174	466	976	1634	1674	1262	899	753	369	43	8276	
LOSTWOOD 12 N	4	56	250	597	1190	1523	1583	1303	1065	886	427	62	8946	
MADDOCK AGRI SCHOOL	15	15	198	574	1109	1628	1741	1386	1048	814	389	39	8956	
MANDAN EXP STATION	15	33	235	570	1070	1517	1485	1323	950	809	396	40	8443	
MANDAN FT LINCOLN PARK	12	14	203	528	1072	1509	1462	1242	895	770	357	26	8090	
MARMARTH	17	60	248	575	1054	1459	1442	1054	872	763	367	60	7971	
MAX	39	63	280	641	1142	1551	1571	1384	1079	865	430	59	9104	
MAYVILLE	29	9	198	529	1039	1690	1742	1335	969	808	373	53	8774	
MC CLUSKY	14	29	208	558	1100	1549	1578	1291	977	811	392	47	8554	
MC HENRY 5 N	33	35	250	610	1124	1720	1810	1415	1066	875	420	55	9413	
MC LEOO 3 E	16	10	217	476	1006	1665	1715	1278	899	771	363	35	8451	
MC VILLE	27	23	251	613	1129	1724	1814	1404	1045	870	405	60	9365	
MEDORA 3 NNE	11	64	280	632	1156	1470	1397	1137	908	866	359	49	8329	
MINOT FAA AIRPORT	26	28	221	548	1114	1499	1515	1260	1035	838	391	27	8502	
MINOT EXP STATION	27	41	232	575	1147	1526	1565	1341	1047	848	406	38	8793	
MOFFIT 4 SE	20	11	210	561	1053	1508	1514	1319	968	771	379	34	8348	
MOHALL	23	35	237	595	1169	1574	1546	1409	1137	850	469	36	9080	
MOIT	13	40	251	589	1084	1441	1423	1171	963	804	414	37	8230	
MUNICH 4 SW	27	44	259	658	1186	1744	1874	1468	1164	885	436	77	9822	
NAPOLEON	18	24	216	524	1043	1550	1625	1322	943	801	394	46	8506	
NEW ENGLAND	12	29	233	558	1038	1394	1391	1130	902	788	396	44	7915	
NEW SALEM 1 SE	9	20	202	519	1044	1430	1427	1224	931	794	388	35	8023	
NEWTOWN	15	28	214	566	1104	1461	1480	1273	951	796	370	29	8287	
OAKES	14	14	205	512	1014	1673	1749	1370	970	830	436	62	8849	
PARK RIVER	19	14	172	555	1071	1661	1742	1344	1028	823	347	32	8808	
PARSHALL	20	27	229	591	1172	1511	1524	1285	958	806	370	38	8471	
PEMBINA	38	18	184	543	1123	1805	1939	1430	1111	839	334	45	9409	
PETERSBURG	30	32	246	624	1146	1712	1815	1416	1098	886	422	62	9489	
PETTIBONE	19	23	260	543	1107	1638	1677	1433	1013	858	440	31	9042	
PORTAL	32	58	286	637	1230	1602	1612	1351	1091	871	432	46	9248	
POWERS LAKE 1 N	27	68	264	638	1216	1537	1565	1365	1132	904	468	56		
RAUB 10 SSW	16	14	157	503	1062	1379	1458	1203	934	773	352	23	7876	
RICHARDTOWN ABBEY	9	21	176	501	1023	1378	1378	1118	886	786	365	27	7668	
RIVERDALE	29	37	227	591	1079	1500	1501	1344	1020	855	422	39	8644	

See reference notes following Station Index.

MONTHLY AND SEASONAL HEATING DEGREE DAYS

Continued

Season of 1960-1961

NORTH DAKOTA

Station	July	August	September	October	November	December	January	February	March	April	May	June	Total	Normal July-June
ROLLA	25	41	253	619	1183	1657	1771	1377	1178	892	429	63	9488	
RUGBY	16	20	202	561	1143	1611	1688	1385	1096	787	360	26	8895	
SAN HAVEN	19	32	252	605	1164	1599	1731	1390	1128	852	389	53	9214	
SHARON	27	27	232	582	1105	1701	1760	1354	1029	895	397	53	9162	
STANLEY	18	45	250	599	1144	1499	1521	1268	1015	850	405	38	8652	
STEELE	18	22	179	502	1035	1520	1569	1272	933	780	358	23	8211	
TIOGA 1 E	37	73	290	613	1192	1546	1568	1340	1063	887	408	50	9067	
TOWNER	20	33	252	593	1147	1599	1633	1354	1052	824	359	34	8900	
TROTTERS 3 S	16	33	206	539	1039	1384	1363	1108	890	790	363	36	7767	
TURTLE LAKE	11	22	203	527	1075	1488	1491	1287	964	766	374	23	8231	
TUTTLE											402	34		
UNDERWOOD 4 ESE	14	23	187	545	1109	1492	1506	1273	992	825	411	32	8409	
UPHAM 3 N	19	23	224	618	1180	1608	1677	1419	1102	803	382	51	9106	
VALLEY CITY	36	20	221	564	1074	1670		1297	957	778	327	61		
VELVA	16	33	206	545	1100	1496	1493	1254	952	772	383	37	8287	
WAMPETON	5	6	168	442	957	1601	1661	1193	870	754	330	29	8016	
WASHBURN	10	29	210	552	1085	1496	1508	1259	943	778	380	29	8279	
WATFORD CITY	9	30	192	526	1059					790	323	36		
WATFORD CITY 14 S	7	16	168	468	1020	1361	1357	1106	842	752	299	20	7416	
WESTHOPE	15	36	258	642	1202	1644	1723	1418	1133	825	384	40	9320	
WILLISTON WB CITY	10	26	209	532	1070	1417	1414	1186	917	781	321	22	7905	9068
WILLISTON EXP FARM	11	29	199	562	1110	1456	1463	1202	935	797	348	29	8141	
WILLOW CITY	16	29	245	627	1208	1673	1752	1455	1169	819	445	54	9492	
WILTON	18	25	222	553	1124	1544	1545	1280	991	827	392	42	8563	
WISHEK	28	42	275	592	1083	1616	1660	1372	995	844	446	76	9029	

See reference notes following Station Index.

CLIMATOLOGICAL DATA

NORTH DAKOTA
DELAYED DATA

Station	Temperature													Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max.		Min.						Total	Max. Depth on Ground	Date	0 or More	50 or More	1.00 or More
										90° or Above	32° or Below	32° or Below	0° or Below										
JANUARY 1961																							
WEST CENTRAL DIVISION WASHBURN	26.6M	6.8M	16.7M	6.5	48	16	-27	24	1508	0	17	31	12	T	- .40	T	30+				0	0	0
MARCH 1961																							
WEST CENTRAL DIVISION WASHBURN	44.3	24.5	34.4	8.8	63	24	13	9	943	0	1	28	0	.12	- .57	.10	1				1	0	0
APRIL 1961																							
WEST CENTRAL DIVISION WASHBURN	51.4M	26.1M	38.8M	- 4.8	79	19	12	16+	778	0		25	0	3.00	1.68	1.16	23				7	2	1

DAILY PRECIPITATION

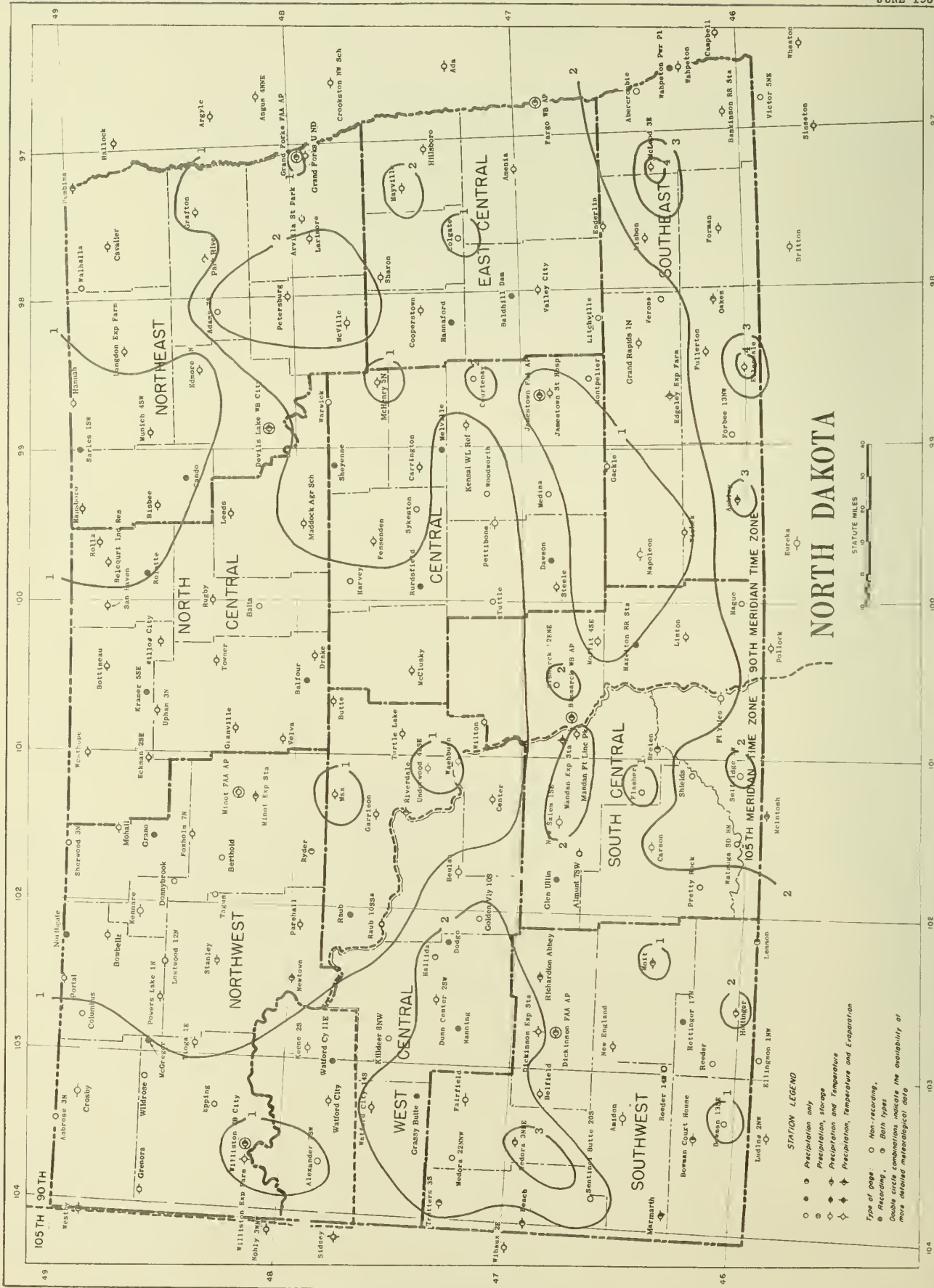
Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JANUARY 1961 WASHBURN	T	T																														T
FEBRUARY 1961 GOLDEN VALLEY 10 S	.66	.33	T									T						.02			.31											
MARCH 1961 WASHBURN	.12	.10				.02																										
APRIL 1961 WASHBURN	3.00	.12	.15	.45							.14							.64			1.16	.23	.08	.03								

DAILY TEMPERATURES

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JANUARY 1961 WASHBURN	MAX MIN	13 - 7	18 - 3	35 14	37 14	41 20	47	22 20	42 16	38 18	39 21	39 25	45 25	39 16	33 16	45 15	48 32	40 25	30 17	30 11	17 - 4	12 - 2	20 2	16 -15	- 9 -27	2 -17	1 -15	25 -10	20 - 3	12 - 4	17 0	22 4	26.6 6.8
MARCH 1961 WASHBURN	MAX MIN	43 22	43 31	39 30	40 18	40 27	33 21	39 28	37 17	45 13	42 29	35 16	35 20	53 17	43 27	40 19	54 22	60 33	39 31	35 24	54 30	51 25	46 29	52 24	63 33	53 35	44 29	31 26	39 16	59 15	45 29	40 22	44.3 24.5
APRIL 1961 WASHBURN	MAX MIN	47 12	60 31	60 30	46 28	35 22		58 19	52 29	41 27	48 22	52 25	59 34	42 24	38 17	41 12	53 15	68 35	79 44	55 34	60 33	60 30	47 30	44 29	49 30	43 24	38 22	54 25	55 28	54 20		51.4 26.1	

TOTAL PRECIPITATION

JUNE 1961



STATION LEGEND

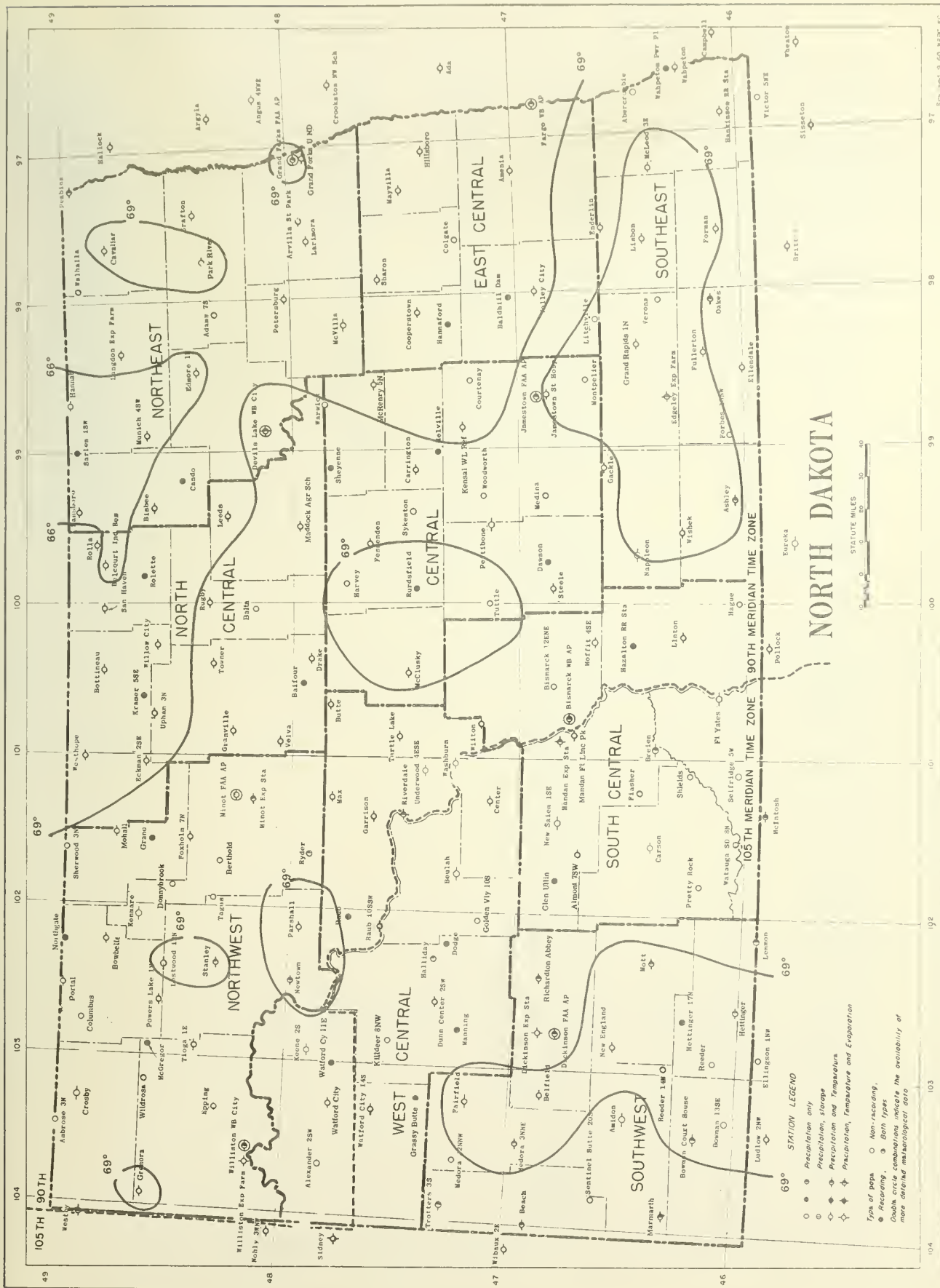
- Precipitation only
- Precipitation, snow
- ◆ Precipitation and temperature
- ◆ Precipitation, temperature and evaporation

Type of page: ○ Non-recording,
● Recording, ◆ Both types.
Double circle combinations indicate the availability of more detailed meteorological data.

ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

JUNE 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

STATION INDEX

NORTH DAKOTA
JUNE 1961

OBSERVATION TIME AND TABLES										OBSERVATION TIME AND TABLES													
STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL	
ABERCHOMBLE	0005	RICHLAND	10 46 27	96 45	935	8A					H HELMER AMUNDSEN	PETTIBONE	7047	KIDDER	8 47 07	99 31	1855	7P	7P			H ARTHUR J. DEKREY	
ADAMS 7 S	0022	WALSH	10 48 20	98 06	1554	6P					MYRON J. BATA	PORTAL	7201	BURKE	12 49 00	102 33	1954	9A	9A			U S CUSTOMS OFFICE	
ALEXANDER 2 SW	0096	MCKENZIE	13 47 50	103 40	2170	7P					WILLIAM LANE	POWERS LAKE 1 N	7281	BURKE	8 48 34	102 38	2205	8A	8A			HERBERT J. CLARK	
ALMONT 7 SW	0136	MORTON	4 46 43	101 39	2300	7P					H HOGAN RAMSAY	PRETTY ROCK	7311	GRANT	1 46 10	101 51	2480	6P	6P			FREGA LEER	
AMROSE 3 N	0189	DIVIDE	12 49 00	103 28	2027	5P					U S BORDER STATION	RAUR 5 NNE	7405	MCKEAN	8 47 48	102 02	1975					C CLARK V. HENDRICKSON	
AMENIA	0196	CASS	11 47 00	97 13	960	5S					H VIRGIL L. GEBEKE	RAUB 10 SSW	7408	MCKEAN	8 47 36	102 06	1958	6P	6P			LYLE P. MOLTAN	
AMIDON	0209	SLOPE	1 46 29	103 19	2910	8A					FRED FLEENER	REEDER	7450	ADAMS	3 46 06	102 57	2810	6P	6P			A. V. KITTLESON	
ARVILLA STATE PARK	0389	GRAND FORKS	10 47 36	97 38	960	6P					VERNON C. THODRON	REEDER 14 N	7452	SLOPE	1 46 19	102 57	2784	8A	8A			CHAS. W. NETZINGER	
ASHLEY	0382	MCKINTOSH	8 46 02	99 22	2001	5S					C H SOD LINE AGENT	RICHARDSON ARROY	7530	STARK	4 46 53	102 19	2470	5P	5P			C H ASSUMPTION ABBEY	
RALPHILL DAM	0450	BARNES	11 47 02	98 02	1300						U S CORPS OF ENGINEERS	RIVERDALE	7585	MCKEAN	8 47 30	101 21	1950	8A	8A			C U S CORPS OF ENGINEERS	
BALFOUR	0492	MCKENRY	12 47 57	100 32	1615						C MILTON LUCHSINGER	ROLETTE	7655	ROLETTE	12 48 40	99 50	1630	7P	7P			C HENRY JOHNSON	
BALTA	0500	PIERCE	11 48 10	100 02	1950	6P					ANTON SCHMALTZ	ROLLA	7664	ROLETTE	2 48 52	99 37	1819	7P	7P			THEO. B. FAGERLUND	
BELLEVILLE	0590	GOLDEN VALLEY	7 46 55	104 01	1824	6A					H LUTHER F. HODGINS	RUGBY	7706	PIERCE	12 48 22	100 00	1580	6P	6P			FRANK HORNSTEIN	
BEAUCOURT INDIAN RES	0626	ROLETTE	9 48 50	99 45	1960	7P					H TURTLE MT INDIAN AGENCY	RYDER	7749	WARD	6 47 55	101 40	2108	6P	6P			C S. C. SCHELLENBAUM	
BEULFELD	0639	STARK	4 46 53	103 11	2583	7P					CARL INVERGAARD	SAN HAVEN	7824	ROLETTE	12 48 50	100 02	2001	6P	6P			STANLEY DOWLING	
BERTHOLD	0729	WARD	12 48 19	101 44	2080	6P					JOAN COX	SARLES 1 SW	7844	TOWNER	9 48 56	99 00	1602					C GAVIO E. MADLANO	
BEULAH	0766	MERCER	6 47 16	101 47	1780	7P					WENT OAK UTILITIES CO	SELFRIDGE 5 W	7952	SIOUX	1 46 02	101 06	2229					JOSEPH MOSSET	
BISBEE	0796	TOWNER	2 48 37	99 22	1600	6P					ROBERT J. KRICK	SENTINEL BUTTE 20 S	7976	GOLDEN VALLEY	7 46 37	103 49	2682	7P	7P			G. E. BURY	
BISMARCK WB AIRPORT	0819	BURLEIGH	8 46 46	100 45	1647	MID					C HJ U S WEATHER BUREAU	SHARON	7986	STEELE	10 47 36	97 56	1516	8P	8P			H HUGH LYON	
BLOOMING 12 ENE	0827	BURLEIGH	8 46 51	100 33	1709	8A					KFTR TRANSMITTER	SHERWOOD 3 N	8047	RENNELLE	12 49 00	101 38	1647					U S CUSTOMS OFFICE	
BOTTINEAU	0941	BOTTINEAU	12 48 50	100 27	1640	8A					H N SCHOOL OF FORESTRY	SHEYENNE	8057	EDDY	11 47 50	99 07	1480					C ALVIN M. KENNEDY	
BOWEN 1 N	0943	BURKE	12 48 48	102 15	1953	8A					H H. D. ADAMS	SHIELDS	8065	GRANT	1 46 14	101 07	1804	6P	6P			JAMES W. ROENINGHOUGH	
BOWMAN COURT HOUSE	0995	BOWMAN	3 46 11	103 23	2980	5P					C MICHAEL R. HIRSCH	STANLEY	8276	MOUNTRAIL	8 48 19	102 24	2260	7P	7P			C M. G. EVANS	
BOWMAN 13 SE	0998	BOWMAN	3 46 02	103 18	2830	6P					GEORGE HIRSCH	STEELE	8366	KIDDER	8 46 51	99 55	1857	6P	6P			STEELE OZON PRESS	
BRILEY	1052	SIOUX	4 46 24	100 56	1720	6P					C ANNA C. PEDERSON	STRETON	8408	MILLS	5 47 28	99 24	1634	9A	9A			EDWARD SONOAG	
BUTTE	1225	MCKEAN	12 47 50	100 40	1865	8A					C SAH KRITSKY	TAGUS	8627	MOUNTRAIL	12 48 20	101 56	2178	6P	6P			W. R. ELLINGBOE	
CANDO	1298	TOWNER	2 48 29	99 12	1481	6P					C HARRY E. HARRIS	TIGLA 1 E	8737	WILLIAMS	8 48 24	102 55	2245	8A	8A			SIGNAL OIL AND GAS	
CARRINGTON	1360	FOSTER	5 47 27	99 08	1586	8A					ANDREW C. HEINITZ	TOWNER	8792	MCKENRY	12 48 21	100 24	1482	7P	7P			AUGUST B. RIEDER	
CARRISON	1370	GRANT	4 46 25	101 34	2310	8A					JACK STEWART	TROTTERS 3 S	8812	GOLDEN VALLEY	13 47 17	103 54	2420	6P	6P			C JOHN O. KELLERHOE	
CAVALIER	1415	PEMBINA	9 46 48	97 38	859	6P					H WILLIE HANSEN PICO	TURTLE LAKE	8840	MCKEAN	8 47 31	100 53	1869	6P	6P			WALTER L. RENFROW	
CENTER	1456	OLIVER	9 47 07	101 18	2100	7P					H FRED L. HEINZ	TUTTLE	8850	KIDDER	8 47 08	100 00	1880	5P	5P			THEODORE C. OCHSNER	
CHIEF	1696	STEELE	10 47 14	97 39	1180	6P					JOHN P. BUCHMILL	UNDERWOOD & ESE	8872	MCKEAN	8 47 25	101 05	2001	6P	6P			FEROINANO KOENIG	
CHIEF	1696	MCKEAN	12 48 54	102 47	1930	8A					J. O. SUNDELL	UPHAM 3 N	8913	MCKENRY	12 48 37	100 44	1425	5P	5P			U S FISH AND WILDLIFE	
CHIEF	1766	GRIGGS	11 47 26	98 07	1428	5P					DELAND M. MARSON	VALLEY CITY	8937	BARNES	9 48 55	98 00	1270	6P	6P			GEORGE H. KENNEDY	
COURTNEY	1816	STUTSMAN	5 47 13	98 34	1523	6P					G. M. HANNAWALT	VELVA	8990	MCKENRY	12 48 03	100 55	1511	6P	6P			H R. A. AYERS	
CROSBY	1871	DIVIDE	12 48 54	103 18	1952	6P					H JOHN AMURIST	VERONA	9035	LA MOURE	5 46 22	98 05	1382	6P	6P			WARREN O. TANG	
DAWSON	2018	KIDDER	8 46 52	99 45	1730						C CECIL L. BILLINGTON	WAPTEON POWER PLANT	9095	RICHLAND	10 46 17	96 38	962					C OTTER TAIL PWR PL	
DEVILS LAKE AIR CITY	2158	RANNEY	2 48 07	98 52	1471	MID					C HJ U S WEATHER BUREAU	WAPTEON	9100	RICHLAND	10 46 18	96 36	960	6P	6P			JOSEPH HELTER	
DICKINSON FAIR AIRPORT	2183	STARK	4 46 47	102 48	2595	MID					C HJ U S FEU AVIATION AGENCY	WALHALLA	9155	PEMBINA	9 48 55	97 55	990	6P	6P			FELIX A. GASTONGUAY	
DICKINSON EXP STATION	2188	STARK	4 46 53	102 48	2460	7A					DICKINSON EXP STATION	WARWICK	9185	RENSON	11 47 51	98 42	1470	7P	7P			VIRGIL B. JOHNSON	
DODGE	2215	DUNN	6 47 18	102 12	1989						C THEODORE ISAAC	WASHURN	9195	MCKEAN	8 47 17	101 02	1760	5P	5P			JUDY WOLRAUD	
DONNARDOK	2242	WARD	12 48 31	101 53	1760	6P					BERNICE SONNENBERG	WATAGUA 5 DAKOTA 8 N	9219	GRANT	1 46 02	101 34	2074	6P	6P			MARY E. KATUS	
DRAKE	2268	MCKENRY	12 47 55	100 27	1634	8A					ELU J. EVANS	WATFORD CITY	9233	MCKENZIE	8 47 48	103 17	2100	6P	6P			C HJ U S WEATHER BUREAU	
DUNN CENTER 2 SW	2365	DUNN	6 47 20	102 18	1495	7A					H CHELSEA M. DINKINS	WATFORD CITY 11 E	9238	MCKENZIE	8 47 47	103 02	2130					IDA PETERSON	
EDMAN 2 E	2472	BOTTINEAU	12 48 39	101 01	1495	7A					JOHN H. ZURCH	WATFORD CITY 14 S	9246	MCKENZIE	7 47 36	103 17	1965	5P	5P			THEO. ROOSEVELT SMP	
EDGELEY EXP FARM	2482	LA MOURE	5 46 20	98 42	1568	8A					C N D AGRICULTURE EXP STA	WESTHOPE	9333	BOTTINEAU	12 48 55	101 01	1508	9P	9P			HARRY KLHNE	
EDMORE 1 N	2525	RANNEY	2 48 25	98 28	1520	6P					WILLIAM E. COLLINS	WILLOW	9400	WILLIAMS	8 48 38	103 10	2258	6P	6P			C HJ U S WEATHER BUREAU	
ELLENDALE	2605	DICKEY	5 46 00	98 31	1480	9P					H MICHAEL D. GANS	WILLISTON 48 CITY	9429	WILLIAMS	8 48 09	103 41	2105	6P	6P			GEORGE KAPUSTA	
ENDERLIN	2695	RANSON	13 46 37	97 12	1120	7A					LEONARD PETERSON	WILLISTON EXP FARM	9430	WILLIAMS	8 48 09	103 41	2105	6P	6P			H MRS. O. M. SANDERSON	
EPING	2735	WILLIAMS	8 48 17	103 21	2224	6P					E. F. CARPENTER	WILLISTON 14 S	9445	BOTTINEAU	12 48 36	100 17	1471	6P	6P				
FAIRFIELD	2809	BILLINGS	7 47 11	103 13	2750	6P					H JOHN PETERZAK	WILTON	9455	MCKEAN	8 47 09	100 48	2171	6P	6P			EDWIN PETERSON	
FARGO WB AIRPORT	2859	CASS	10 46 54	96 48	900	MID					C HJ U S WEATHER BUREAU	WISHEK	9515	MCKINTOSH	8 46 16	99 34	2010	8A	8A			J. W. HELLERUD	
FERGUSON	2868	LOGAN	5 47 19	99 37	1620	6P					H EMIL RUST	WOODWORTH	9578	STUTSMAN	5 47 09	99 18	2041	6P	6P			CHESTER W. THOMPSON	
FLASHER	3009	MORTON	1 46 27</																				

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.

* And also on an earlier date or dates.

Amount included in following measurement, time distribution unknown.

Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

Gage is equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

B Adjusted to a full month.

D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.

N One or more days of record missing: if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.

R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in

Hourly Precipitation Data.)

SS This entry in time of observation column in Station Index means observation made near sunset.

T Trace, an amount too small to measure.

V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---8-1-61---825

CORRECTIONS

ANNUAL 1959: CARSON, Station Index, should show station closed December.

WASHBURN WATERWORKS, Station Index, should show station closed December.



551.05
UNNT

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

JULY 1961
Volume 70 No. 7



THE LIBRARY OF THE
SEP 20 1961
FEDERAL BUREAU OF INVESTIGATION

ASHEVILLE: 1961

SUPPLEMENTAL DATA

NORTH DAKOTA
JULY 1961

Station	Wind direction		Wind speed m p. h.				Relative humidity averages - percent			Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total	
BISMARCK WB AIRPORT	E	11	10.6	38	N	9	62	72	42	36	8	6	4	0	0	0	18	69
DEVILS LAKE WB CITY	S	-	6.5	28	W	1	-	83	51	45	2	1	4	2	0	0	9	63
FARGO WB AIRPORT	S	10	7.9	34	SW	12+	81	86	54	54	3	8	1	2	1	0	15	57
WILLISTON WB CITY	NE	-	6.5	26	NW	1	-	69	42	33	6	3	3	1	0	0	13	73

CLIMATOLOGICAL DATA

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max	Min.	90° or Above	32° or Below					Total	Max Depth on Ground	Date	10 or More	20 or More	1.00 or More	
NORTHWEST DIVISION																								
BOWRELLS	82.6M	53.3M	68.0M		96	10	42	21	40	8	0	0	0	1.44		.65	13	.0	0		3	1	0	
CROSBY	84.3	53.0	68.7	0.2	96	17	43	21+	20	10	0	0	0	1.65	-	.48	.72	17	.0	0		4	2	0
FOXHOLM 7 N	85.8	54.7	70.3	0.7	98	10	47	3	5	10	0	0	0	.94	-	1.04	.37	12	.0	0		3	0	0
GRENORA	84.5	52.4	68.5		96	24	40	2	22	10	0	0	0	1.85		.75	.31	.0	0		6	1	0	
KENMARE	83.5	56.1	69.8		97	10	46	21	27	10	0	0	0	1.13	-	1.12	.75	29	.0	0		2	1	0
LOSTWOOD 12 N	83.4	51.2	67.3		94	8	39	21	39	10	0	0	0	1.80		.90	.29	.0	0		3	2	0	
MINOT FAA AIRPORT	82.6	56.8	69.7		94	10+	46	3	13	6	0	0	0	1.66		.69	29	.0	0		5	1	0	
MINOT EXP STATION	83.4	54.6	69.0		95	9	46	21+	19	10	0	0	0	1.33		.47	29	.0	0		5	1	0	
MOHALL	84.7	53.5	69.1	0.0	96	11+	42	3	22	10	0	0	0	.52	-	2.03	.32	29	.0	0		3	1	0
NEWTOWN	84.3M	56.6M	70.5M	1.1	94	17+	47	2	12	10	0	0	0	1.24	-	.73	.42	31	.0	0		5	1	0
PARSHALL	85.6	52.6	69.1		95	18+	42	2	22	10	0	0	0	1.78	-	.63	.75	9	.0	0		3	0	0
PORTAL	82.8	52.5	67.7	- 0.5	95	9	41	21+	41	9	0	0	0	1.53	-	.57	.88	13	.0	0		3	1	0
POWERS LAKE 1 N	84.2M	51.8	68.0M		96	17	40	21	38	10	0	0	0	1.25		.48	29	.0	0		3	0	0	
STANLEY	84.5	53.8	69.2		97	10	43	7	20	11	0	0	0	1.35		.30	29	.0	0		6	0	0	
TIOGA 1 E	84.3	53.4	68.9		95	9	44	21	26	11	0	0	0	1.27		.41	13	.0	0		5	0	0	
WILLISTON WB CITY	83.5	59.0	71.3	0.4	96	24	49	22+	8	8	0	0	0	1.80	-	.33	.79	27	.0	0		4	1	0
WILLISTON EXP FARM	84.9	56.6	70.8		97	24	45	14	12	11	0	0	0	1.43		.42	28	.0	0		4	0	0	
DIVISION														1.41	-	.74		.0						
NORTH CENTRAL DIVISION																								
BELCOURT INDIAN RES	81.3	51.3	66.3		93	10	41	15	47	6	0	0	0	1.79		.85	18	.0	0		4	1	0	
BOTTINEAU	82.6	55.1	68.9	- 0.0	96	11	45	2	24	7	0	0	0	1.15	-	1.40	.56	13	.0	0		1	0	
ORAKE	82.7M	55.8M	69.3M	- 0.7	96	9	47	3	21	8	0	0	0	1.80	-	.83	.56	18	.0	0		5	2	0
GRANVILLE	84.5	55.6	70.1	0.1	96	10+	49	2	9	8	0	0	0	1.17	-	1.25	.48	18	.0	0		4	0	0
LEEOS	82.9	54.4	68.7		96	10	45	16	15	6	0	0	0	2.29		.63	21	.0	0		6	2	0	
MADDOCK AGRI SCHOOL	83.7	54.1	68.9	- 0.7	97	10	44	3	16	8	0	0	0	2.50	-	.29	1.12	29	.0	0		6	1	1
ROLLA	78.5	55.2	66.9		91	10	46	3	33	2	0	0	0	3.06		1.55	12	.0	0		5	2	1	
RUGBY	84.4	56.4	70.4		96	5	49	2	5	8	0	0	0	2.13	-	.52	.69	18	.0	0		6	2	0
SAN HAVEN	80.5	56.7M	68.6M	- 0.1	92	10+			23	2	0	0	0	1.48	-	1.37	.56	18	.0	0		4	1	0
TOWNER	83.5	54.7M	69.1M	- 0.7	97	8	45	2	9	8	0	0	0	2.60		.34	.83	18	.0	0		5	3	0
UPHAM 3 N	86.0M	53.8M	69.9M		99	10+	44	3	10	10	0	0	0	1.14		.34	.9	.0	0		4	0	0	
VELVA	84.2	55.0	69.6	- 0.4	98	8	47	21+	10	9	0	0	0	3.16		.60	1.00	13	.0	0		5	3	1
WESTHOPE	84.5	55.9M	70.2M	1.0	96	10			4	10	0	0	0	.79		.60	.22	17+	.0	0		3	0	0
WILLOW CITY	84.8	53.1	69.0	0.4	96	10+	41	3	11	8	0	0	0	1.87	-	.61	.67	29	.0	0		5	1	0
DIVISION														1.92	-	.60		.0						
NORTHEAST DIVISION																								
ARVILLA STATE PARK	82.8M	53.4M	68.1M		93	25+	38	3	26	6	0	0	0	2.65		.66	11	.0	0		7	2	0	
BISBEE	81.9	54.9	68.4		96	10	45	3	22	5	0	0	0	2.09		.70	12	.0	0		4	2	0	
CAVALIER	81.7	56.4	69.1		93	10+	47	4+	13	7	0	0	0	2.55		1.00	13	.0	0		6	2	1	
DEVILS LAKE WB CITY	80.3	56.7	68.5	- 0.8	93	9	48	3	18	5	0	0	0	2.84		.17	.97	29	.0	0		6	2	0
EOMORE 1 N	80.8	51.7	66.3		93	9	37	3	42	3	0	0	0	2.45		.47	12	.0	0		8	0	0	
GRAFTON	81.7	56.1	68.9	- 2.0	95	9	42	3	18	5	0	0	0	4.00		.80	1.05	11	.0	0		9	2	1
GRAND FORKS FAA AIRPORT	82.1	57.3	69.7		98	25	43	3	13	5	0	0	0	3.38		1.23	10	.0	0		6	3	1	
GRAND FORKS UNIVERSITY	81.2	57.9	69.6	- 1.1	95	9	46	3	13	3	0	0	0	4.44		1.51	11	.0	0		8	3	1	
HANNAH	80.3	51.5	65.9		94	10	40	3	44	3	0	0	0	1.65	-	1.05	.81	20	.0	0		4	1	0
HANSBORO 3 W	80.9	53.0	67.0	- 0.2	94	10	44	15	31	4	0	0	0	1.56	-	1.03	.51	12	.0	0		5	1	0
LANGOON EXP FARM	81.1	51.6	66.4	- 1.6	94	9	40	3	45	6	0	0	0	4.51		1.89	1.08	21	.0	0		7	5	2
LARIMORE	81.3	55.5	68.4	- 2.0	94	9	41	3	23	4	0	0	0	2.58		.05	.57	21	.0	0		7	1	0
MC VILLE	80.5	54.7	67.6		93	9	42	3	28	4	0	0	0	4.41		1.29	21	.0	0		8	3	2	
MUNICH 4 SW	80.6	51.9M	66.3M		92	10	45	19+	36	3	0	0	0	2.06		.64	21	.0	0		5	2	0	
PARK RIVER	83.2	57.0	70.1	0.5	95	9	47	3	7	8	0	0	0	3.53		.64	.83	22+	.0	0		6	4	0
PEMBINA	80.1	55.4	67.8		93	9	44	3	24	3	0	0	0	3.28		.36	1.44	13	.0	0		6	1	1
PETERSBURG	79.0	55.4	67.2		94	9	46	3	31	2	0	0	0	6.21		3.53	1.62	13	.0	0		7	6	3
DIVISION														3.19		.38		.0						
WEST CENTRAL DIVISION																								
BEULAH	87.2	56.5	71.9		99	17	48	2	5	15	0	0	0	1.36		.38	30	.0	0		5	0	0	
BUTTE	83.7M	55.8	69.8M		96	11+	47	21	16	9	0	0	0	1.15		.60	29	.0	0		2	1	0	
CENTER	84.8	54.3	69.6		97	25+	46	2	17	11	0	0	0	1.69		.46	29	.0	0		5	0	0	
DUNN CENTER 2 SW	82.9	55.7	69.3	- 0.2	95	25+	46	14	17	9	0	0	0	2.68		.66	13	.0	0		6	2	0	
GARRISON	82.7M	57.6M	70.2M	- 0.2	95	9			13	7	0	0	0	1.89	-	.46	1.29	29	.0	0		3	1	1
KEENE 2 S																								
MAX	82.2	54.8	68.5	- 1.2	94	9	46	21+	25	7	0	0	0	1.30	-	1.36	.50	9	.0	0		3	1	0
RAUB 10 SSW	84.0M	58.0	71.0M		97	17	50	21+	5	9	0	0	0	1.77		.64	.9	.0	0		5	2	0	
RIVERDALE	83.3	55.8M	69.6M		94	9	49	15	16	9	0	0	0	2.21		.85	.29	.0	0		7	1	0	

CLIMATOLOGICAL DATA

NORTH DAKOTA
JULY 1961

CONTINUED

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Coldest Day	Date	Snow, Sleet			Hail or Ice		
										Max									Total	Max Depth on Ground	Date	1/2" or More	3/4" or More	1" or More
										10 or Above	20 to 29	30 to 39	40 to 49	50 or More										
TURTLE LAKE	85.4	56.7	71.1		97	25	47	2	5	12	0	0	0	2.53		1.22	29	.0	0		4	2	1	
UNDERWOOD 4 ESE	84.7	55.9	70.3		95	9+	47	21+	10	10	0	0	0	1.88		1.12	29	.0	0		4	1	1	
WASHBURN	86.2M	56.3M	71.3M	- 0.7	96	17			4	12	0	0	0	2.33	- .02	.85	13	.0	0		6	2	0	
WATFORD CITY	85.5	56.4	70.0	- 1.4	98	17	43	14	16	12	0	0	0	2.85	.49	1.25	28	.0	0		5	2	1	
WATFORD CITY 14 S	86.8M	55.8M	71.3M		99	17	43	14	10	14	0	0	0	1.86		.49	31	.0	0		7	0	0	
WILTON	87.2	55.4	69.3		97	9	47	21	15	7	0	0	0	2.50		1.05	29	.0	0		4	2	1	
DIVISION			70.2	0.1										2.00	- .38			.0						
CENTRAL DIVISION																								
CARRINGTON	80.6	54.8	67.7	- 2.0	93	10	45	5+	26	3	0	0	0	3.40	.76	1.63	22	.0	0		4	2	1	
FESSENDEN	83.4	54.7M	69.1M	- 1.1	94	25+	44	3+	14	6	0	0	0	2.94	.12	1.78	29	.0	0		5	1	1	
JAMESTOWN FAA AIRPORT	80.9	55.7	68.3		94	9	43	3	18	4	0	0	0	3.12		.92	21	.0	0		8	2	0	
JAMESTOWN STATE HOSP	81.1	56.5	68.8	- 3.0	96	9	42	3	21	3	0	0	0	3.58	.85	1.36	21	.0	0		6	2	1	
KENSAL WILDLIFE REFUGE	84.0	53.9	69.0		95	10+	42	5+	17	7	0	0	0	2.92		.75	13	.0	0		6	3	0	
MC CLUSKY	84.3	55.2	69.8	- 0.9	96	9	47	21+	11	10	0	0	0	3.02	.88	1.17	29	.0	0		4	2	2	
MC HENRY 5 N	80.2	53.4	66.8		92	9+	42	3	41	4	0	0	0	3.78		1.28	13	.0	0		6	3	1	
PETTIBONE	82.1	55.6	68.9	- 1.6	97	9	46	3+	16	3	0	0	0	2.92	.20	.87	21	.0	0		6	2	0	
STEELE	83.8	56.2	70.0	- 0.5	95	25	49	7+	9	5	0	0	0	2.09	- .42	.67	29	.0	0		6	1	0	
TUTTLE	84.4	54.8	69.6		94	9+	43	3	11	6	0	0	0	1.93		.68	29	.0	0		4	2	0	
DIVISION			68.8	- 1.2										2.97	.31			.0						
EAST CENTRAL DIVISION																								
AWENIA	82.9	56.9M	69.9M		94	25+			3	3	0	0	0	2.73		1.71	21	.0	0		3	1	1	
COOPERSTOWN	80.7	55.4	68.1		95	9	44	3	22	3	0	0	0	4.49	1.98	1.06	21	.0	0		7	5	1	
FARGO WB AIRPORT	83.3	57.6	70.5	- 0.8	95	25	45	3	2	4	0	0	0	3.00	.69	1.05	13	.0	0		4	3	1	
HILLSBORO	82.4	56.8	69.6	- 2.0	95	9	48	5+	3	4	0	0	0	4.56	1.56	1.46	10	.0	0		9	3	2	
MAYVILLE	82.1	56.9	69.5	- 2.3	95	25	46	3	7	3	0	0	0	1.35	- 1.21	.36	21	.0	0		5	0	0	
SHARON	79.5	55.2	67.4	- 2.7	92	9	42	3	29	2	0	0	0	7.21	4.55	2.45	11	.0	0		6	5	3	
VALLEY CITY	79.3M	55.0	67.2M	- 4.5	91	25	39	3	27		0	0	0	2.65	- .16	.92	21	.0	0		5	3	0	
DIVISION			68.9	- 2.3										3.71	1.04			.0						
SOUTHWEST DIVISION																								
AMIDON		M	M		97	25+	43	19			0	0	0	2.34		1.17	30	.0	0		3	2	1	
BEACH	85.6	55.7	70.7		98	25+	42	2	24	12	0	0	0	1.80		.86	30	.0	0		4	1	0	
RELFIELD	84.9	55.3	70.1		97	17	45	22+	18	9	0	0	0	3.81		1.43	31	.0	0		7	2	1	
ROWMAN COURT HOUSE	85.6	56.0M	70.8M	- 0.3	98	17+			24	12	0	0	0	1.07		.41	29	.0	0		3	0	0	
DICKINSON FAA AIRPORT	84.9	57.0	71.0		99	17	46	14	10	9	0	0	0	3.45		1.09	9	.0	0		5	3	1	
DICKINSON EXP STATION	84.4	55.7	70.1	0.3	98	18	46	14+	22	10	0	0	0	1.66	- .34	.56	13	.0	0		5	1	0	
FAIRFIELD	83.5	55.5	69.5		94	24+	46	2	24	9	0	0	0	3.54		1.48	31	.0	0		5	2	2	
HETTINGER	85.6M	56.3M	71.0M	- 1.0	100	17+	45	14	17	9	0	0	0					.0	0					
WARMARTH	88.0	55.4	71.7	- 0.4	100	25	41	2	17	16	0	0	0	3.02	1.10	2.30	30	.0	0		4	1	1	
MEDORA 3 NNE	88.8	51.5	70.2		99	25+	38	22	17	15	0	0	0	2.03		.93	31	.0	0		5	2	0	
MOTT	85.6	53.9M	69.8M	- 2.0	102	17	42	14+	25	10	0	0	0	1.57	- .40	.59	31	.0	0		5	1	0	
NEW ENGLAND	85.3	54.9	70.1	- 2.0	99	17	45	14	15	9	0	0	0	2.50	.11	1.10	31	.0	0		4	2	1	
RICHAROTON ABBEY	85.1	57.2	71.2	0.4	99	17	46	14	11	12	0	0	0	2.22	- .37	.98	31	.0	0		5	1	0	
TROTTERS 3 S																								
DIVISION			70.5	- 0.5										2.42	.31			.0						
SOUTH CENTRAL DIVISION																								
ALMONT 7 SW	85.3	58.5M	71.9M		97	25+			7	12	0	0	0	2.06		.42	10	.0	0		6	0	0	
BISMARCK WB AIRPORT	83.2	55.7	69.5	- 2.6	95	9	46	19	11	7	0	0	0	1.50	- .83	.43	10	.0	0		4	0	0	
BREIEN	87.0M	54.9M	71.0M		95	17+	45	14+	6	14	0	0	0	1.32		.35	11	.0	0		5	0	0	
CARSON	86.6	55.0	70.8	- 0.9	98	4	42	2	15	12	0	0	0	1.00	- 1.09	.17	26	.0	0		6	0	0	
FORT YATES	88.8M	56.4M	72.6M	- 0.5	98	26			4		0	0	0	.96	- 1.05	.38	27	.0	0		3	0	0	
LINTON	86.6	56.4M	71.5M	- 1.3	99	25			10	12	0	0	0	1.26	- 1.21	.51	27	.0	0		5	1	0	
MANDAN EXP STATION	82.8	57.3	70.1	- 1.7	95	10	49	15	11	7	0	0	0	1.89	- .44	.41	14	.0	0		9	0	0	
MANDAN FT LINCOLN PARK	85.6M	53.8M	69.7M		95	9	43	14	7	9	0	0	0	3.47		.92	10	.0	0		8	3	0	
MOFFIT 4 SE	86.0M	55.6M	70.8M		95	25+	45	19	4		0	0	0	1.00		.37	26	.0	0		3	0	0	
NEW SALEM 1 SE	85.5M	57.0M	71.3M	0.2			50	14+	6		0	0	0	2.23	.02	.54	11	.0	0		7	2	0	
DIVISION			70.9	- 1.0										1.67	- .59			.0						
SOUTHEAST DIVISION																								
ASHLEY	81.9	54.0	68.0	- 2.6	95	25	45	23	21	3	0	0	0	2.00	- .65	.57	27	.0	0		6	1	0	
EDGELEY EXP FARM	81.7	53.7	67.7	- 3.3	96	26	46	3	28	2	0	0	0	1.53	- 1.04	.32	20	.0	0		7	0	0	
ELLENDALE	82.0	56.5	69.3	- 2.6	95	25	50	23	12	3	0	0	0	1.94	- .90	.56	27	.0	0		5	1	0	
ENDERLIN	83.8	54.4	69.1		96	26	40	3	9	4	0	0	0	1.66		.80	26	.0	0		4	1	0	
FORMAN	81.5	56.5	69.0		94	25	48	3	13	3	0	0	0	3.93	.80	.91	29	.0	0		9	3	0	
FULLERTON	82.3	54.6	68.5	- 3.7	96	25	45	3	23	4	0	0	0	2.57	.10	1.01	27	.0	0		6	1	1	
GACKLE	83.5	55.1	69.3		96	25	46	3+	9	4	0	0	0	2.06		.68	27	.0	0		5	2	0	
GRAND RAPIDS 1 N	82.5	53.9M	68.2M		95	25	40	21	30	2	0	0	0	3.34		1.64	20	.0	0		7	2	1	
HANKINSON R R STATION	81.3	57.0	69.2	- 3.3	93	26	51	17+	3	2	0	0	0	2.54	.08	1.28	28	.0	0		4	1	1	
LISBON	82.7	55.5	6																					

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See reference notes following Station Index.
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DAILY PRECIPITATION

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Station		Total	Day of Month																																		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
POWERS LAKE 1 N		1.25																		T		T	T														
PRETTY ROCK		1.36									T		.20	.02	.64				.09	.06	.15	T						.11	.05	.02	.06	T	.08	.48	.09	.	
RAUN 10 SW		1.77									.64		.15	T	.20															.25	.55	.11	.22	.			
REEDER		1.47								.14	.05	.08			.05					.07	.05	T							.08	.04	T	.14	.75	.67	.		
REEDER 14 N		1.82									.05																		.03								
RICHARDSON ARREY		2.22									.05		.10	.08	.11				T	T		T	.01	.04					.02	T	.05	.32	.48	.98	.		
RIVERDALE	//	2.21										.03	.25	.24	.15	T			T	T		T	.10					T	T		.10	.85	.05	.14	.		
ROLLA		3.06											.34	1.55	.02				.04	.64		.20	.30	.08				T	.01		.16	.04			.		
RUGBY		2.11																		.69		.10	.05	.11								.26			.		
RYDER		.97									.37		.06						.03				.07	T				T	T			.33		.11	.		
SAN HAVEN		1.48									.03		.08	.13	.08				T	.56			.20	.22	.02				.11	.28	.38		.09	.07	.		
SELFRIEGE 5 W		.97										.10		.46						.20								.11	.11	T		.10	1.20	.11	.		
SENTINEL BUTTE 20 S		2.18				.10					.06		2.45	.94	1.02	T			.08			.55	1.65		.03	.04		T				.42	T	.	.		
SHARON		7.21										.08		.29					.05	.22									.11			.06			.		
SHERWOOD 3 N		.84																		.22															.		
SHIELDS		1.47																																		.	
STANLEY		1.35										.07	.62	.03	.15					.03				.03	T				.41	.07	T	T		.26	.		
STEELE		2.09										T	.03	.28					.12											.24	.05	.30		.13	.		
SYKESTON		4.00											.37	T	.08					T			.19	.13						.30	.55	T	.67	T	.		
TAGUS		.73										T	.33		T	.41				T			.16	.15	1.73	T				.10		.99	.23	.	.		
												T	.20																		.33				.		
TIOGA 1 E		1.27													.41					.01															.		
TOMNER		2.60										.70	.05		.52					.83			.02	.18					T		.38	.27	.10	.	.		
TROTTERS 3 S		-																														.30			.		
TURTLE LAKE		2.53											.18	.75										.07	.05										.		
TUTTLE		1.93											.02	.20						T			.02	.64	.30					.01		1.22	.12	.09	.		
																																.68	.04	.02	.		
UNDERWOOD 4 ESE		1.88											.02	.05	.24					.02				.04											.		
UPHAM 3 N		1.14												.20						.22			T	.07							.08		1.12	.17	.12	.	
VALLEY CITY		2.65												.02	T	.31								.04											.		
VELVA		3.16											.04		1.00					.35			.73	.92	T					.11		.56		.			
VERONA		3.69											.45	.23	.31	.13				.11	.65	.85		.60	.20			T				.80		.			
													.05		.14														.05		.92			.			
WAMPETON		2.04												.06	.14					.04	.11	.59									.68		.35	.	.		
WALHALLA		2.52												.80	.69	.10				.09		.46	.20	.18										.			
WARWICK		2.34									T	T	.36	.52	.31					.07		.18	.11	.43										.			
WASHBURN		2.33												.29	.85														.03			.53		.20	.		
WATAUGA 5 OAKOTA 8 N		2.18										.12								T	T									.24	.60	.15	.70	.			
																										.46				.10			1.50	.	.		
WATFORD CITY		2.85											.05	.06	.23																				.		
WATFORD CITY 14 S		1.86												.24	.17	.14																1.25	.02	.22	.83	.	
WESTHOPE		.79											T	.22																		.14	.02	.31	.35	.49	.
WILOROSE		.89									.04	T								.22			.06							.19	T	.06			.		
WILLISTON WB CITY	//R	1.80										T		.16	.07					.06										.02	.29	.08	.07		.14	.	
												T		.17						T	T	T						.06	T	.79	.03	.33	.41	.01	.		
WILLISTON EXP FARM		1.43										T		.16						T			.01												.		
WILLOW CITY		1.87											.11		.47					T	.26							T	.05	.06	.42	.34	.03	.36	.		
WILTON		2.50											.03		.95					T				.35	.01							.02	.05	.05	.15	.	
WISHEK		1.33												.05	.11									.22	.03										.		
WOODWORTH		1.70										T	T		.26											.40					.27	.20	.35		.		

DAILY TEMPERATURES

NORTH DAKOTA
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Station	Day Of Month																															Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	MAX MIN	82 61	83 55	97 58	87 55	90 62	92 60	94 63	95 65	92 64	79 60	74 56	69 54	76 48	89 54	90 54	95 65	81 58	83 59	79 55	72 55	80 54	90 57	94 58	97 64	82 64	78 61	92 67	82 62	81 57	86 59	85.3 58.5	
AMENIA	MAX MIN	78 62	76 55	78 57	88 88	89 89	86 57	88 60	86 63	94 65	87 68	87 60	86 58	81 53	71 55	78 57	80 50	86 56	86 66	82 56	81 54	73 54	80 55	81 59	86 58	91 64	80 54	87 58	67 58	77 63	77 56	83 57	82.9 56.9
AMIOON	MAX MIN	85 49		87 55	89 58	82 44	85 59	89 91	92 90	95 92	91 88		76 49	74 54		86 53		97 54		81 43		53 53	54 54	46 52	52 52		97 58	95 62	75 57	85 41	94 59	80 57	79 57
ARVILLA STATE PARK	MAX MIN			83 38	81 46	89 44	93 59	91 58	90 90	92 92	88 61	81 58		63 54	62 56	70 51	81 53	84 55	82 63	80 48	79 50	75 55	78 54	79 55	87 56	93 56	92 53	86 48	89 54	50 51	51 55	88 88	82.8 53.4
ASHLEY	MAX MIN	82 59	79 49	84 48	81 55	79 46	86 54	90 59	89 86	92 92	86 50	75 56		72 48	72 49	83 47	85 47	89 75	75 66	81 48	83 46	70 46	74 51	80 45	88 48	95 63	88 65	78 60	89 55	64 57	77 59	85 59	81.9 54.0
BEACH	MAX MIN	87 51	79 42	84 59	95 58	90 64	83 54	89 65	91 63	90 66	93 53	91 57	80 54	66 46	76 44	80 48	91 51	98 67	97 59	81 83	73 48	70 46	75 46	75 54	81 57	88 58	98 56	94 56	78 58	89 64	90 58	78 57	85.6 55.7
RELCOURT INDIAN RES	MAX MIN	84 47	74 48	78 42	80 53	91 45	90 61	85 61	91 55	90 61	93 52	89 63	79 55	66 52	71 54	78 41	84 42	90 56	85 47	73 50	70 48	75 48	73 54	79 46	83 46	87 58	85 58	79 43	82 50	80 53	73 50	82 57	81.3 51.3
RELFIELD	MAX MIN	80 60	86 47	96 57	88 57	84 62	88 58	90 59	89 61	90 57	88 57	84 58	66 53	72 49	74 48	88 53	94 49	97 58	82 55	79 59	72 54	72 56	78 45	84 54	94 53	93 60	85 51	83 58	91 60	92 60	75 56	81 57	84.9 55.3
RFULAH	MAX MIN	84 56	82 48	96 55	92 60	87 54	92 60	94 57	95 64	96 55	94 62	81 54	81 52	71 52	77 51	89 49	92 51	99 67	91 61	83 52	79 52	76 59	80 56	90 51	94 52	96 63	94 72	79 64	84 58	80 58	80 59	87.2 56.5	
BISBEE	MAX MIN	75 52	75 46	80 45	83 51	92 51	92 58	89 64	93 53	91 61	96 57	84 64	81 57	66 53	66 56	77 59	85 51	86 58	85 50	75 52	75 52	73 52	74 57	80 55	86 52	86 61	85 62	81 53	85 54	80 56	76 51	87 55	81.9 54.9
BISMARCK WB AIRPORT	MAX MIN	80 57	79 51	90 50	85 59	84 52	85 54	92 55	94 58	95 64	93 62	75 61	74 58	69 55	72 54	85 48	86 53	93 62	79 55	80 46	72 58	81 53	72 55	73 51	83 54	88 59	93 55	80 59	75 55	89 52	81 60	88 60	83.2 55.7
BOTTINEAU	MAX MIN	84 47	73 45	77 50	82 56	84 50	90 57	93 64	90 60	95 66	90 55	96 61	84 53	68 55	70 54	80 48	88 53	88 52	77 49	77 55	68 52	77 55	78 52	80 54	83 53	87 63	93 58	81 60	73 57	78 56	78 53	82.6 55.1	
BOWBILLS	MAX MIN	83 51	72 45	79 52	88 58	85 56	87 60	92 57			96 53	92 54	84 51	63 53	62 52			94 50	95 62	76 45	77 55	69 42	76 52	85 53	89 55	91 58	88 53	81 53	82 55	86 56	78 54	79 54	82.6 53.3
BOWMAN COURT HOUSE	MAX MIN	79 56	87 50	98 56	90 57	83 53	89 61	90 62	93 62	92 57	90 55	72 52	68 46	71 50	80 51	90 55	98 52	98 56	80 54	83 55	80 54	72 47	72 55	79 55	87 59	94 59	78 60	85 59	95 62	85 55	85 57	87 60	85.6 56.0
BREIFN	MAX MIN	84 54	85 45	92 48		85 56	89 61	92 50	94 55	95 53	94 63	85 61	74 56	74 54	76 45	90 48	91 52	95 53	86 50	87 52	89 54	74 57	88 53	88 52	94 57	90 66	80 58	92 58	90 67	89 60	91 61	87.0 54.9	
BUTTE	MAX MIN	87 54	79 50	80 52	87 56	86 52	87 63	90 61	92 62	96 65	92 59	96 60		79 55	70 55	74 49	89 48	89 62	92 53	78 53	83 55	77 55	77 54	84 51	90 53	93 58	93 59	78 61	92 57	69 54	77 56	83.7 55.8	
CARRINGTON	MAX MIN	82 57	81 50	76 45	82 53	83 45	85 51	89 60	89 55	91 60	93 64	87 62	77 59	54 54	56 50		51 51	55 55	61 49	50 50	55 55	49 49	51 51	54 54	55 55	57 57	63 63	51 51	56 59	54 54	56 56	80.6 54.8	
CARSON	MAX MIN	87 58	83 42	85 50	98 57	91 60	85 58	89 61	93 58	93 66	97 58	95 57	80 50	74 53	71 48	76 50	89 48	92 50	95 60	80 56	88 51	82 54	74 48	82 50	87 55	94 57	97 59	78 58	80 63	91 55	85 57	86.6 55.0	
CAVALIER	MAX MIN	82 54	76 54	74 47	81 47	92 54	93 65	87 61	90 51	93 60	93 61	91 58	76 60	65 58	65 54	73 57	82 57	82 58	79 59	77 52	74 54	77 55	73 58	78 86	86 59	91 63	87 59	85 63	83 57	86 57	80 54	81.7 56.4	
CENTER	MAX MIN	83 55	80 46	94 47	88 56	87 48	91 51	95 57	95 57	97 58	95 57	79 55	68 55	74 50	86 47		90 57	80 60	79 48	78 57	68 47	80 53	87 62	93 48	97 57	80 60	78 49	93 59	78 60	78 56	87 56	84.8 54.3	
COOPERSTOWN	MAX MIN	84 57	78 50	79 44	75 44	84 47	90 53	89 59	89 55	95 62	82 65	81 59	81 59	66 54	69 53	76 55	79 54	84 53	82 55	80 47	76 54	69 54	73 54	78 53	83 56	93 62	87 60	75 51	87 63	75 53	85 55	80.7 55.4	
CROSBY	MAX MIN	80 50	79 46	90 57	85 58	89 55	92 61	93 55	94 59	91 59	89 56	83 57	77 55	68 50	79 43	89 45	93 53	96 47	77 53	79 46	78 53	75 43	85 46	90 56	93 55	91 59	81 59	82 54	79 56	79 54	75 55	84.3 53.0	
DEVILS LAKE WB CITY	MAX MIN	78 58	74 51	79 48	80 55	87 54	91 60	88 64	90 55	93 64	91 66	84 63	78 57	65 55	67 56	78 51	83 51	85 59	74 55	77 54	66 53	75 53	76 56	78 53	85 58	92 63	78 61	80 53	88 58	71 53	75 56	84 56	80.3 56.7
DICKINSON FAA AIRPORT	MAX MIN	80 53	83 49	96 56	89 57	85 63	89 58	91 60	92 61	92 60	89 59	79 58	68 53	74 52	78 46	88 51	93 56	99 65	81 60	82 54	72 55	80 49	89 57	95 60	94 59	77 59	83 60	95 60	79 61	80 57	81 58	84.9 57.0	
DICKINSON EXP STATION	MAX MIN	88 55	77 46	81 57	92 55	86 62	85 57	87 60	91 60	92 64	92 55	91 57	79 51	68 46	72 47	76 51	88 50	93 68	98 60	79 52	81 55	78 48	72 52	80 58	88 55	96 57	95 62	75 57	82 61	93 58	80 56	84.4 55.7	
DRAKE	MAX MIN	86 53		79 47	85 52	83 50	86 51	91 62	91 60	96 69	95 57	89 60	83 57	79 56	78 55		80 52	82 62	92 55	76 50	78 48	73 48	87 54	86 56	83 58	95 58	98 59	85 55	81 59	88 55	76 58	82.7 55.8	
OUNN CENTER 2 SW	MAX MIN	84 56	74 48	78 53	90 54	82 49	84 60	88 59	91 62	94 61	94 52	90 57	78 55	69 52	71 46	77 52	86 55	93 66	95 56	76 56	80 58	75 52	75 53	78 56	87 53	95 53	93 59	78 54	82 62	81 57	75 57	84 57	80.6 55.7
EDGELEY EXP FARM	MAX MIN	87 64	84 50																														

DAILY TEMPERATURES

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Continued

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GARRISON	MAX	84			83	82	80	90	94	84	92	84	71	68	74	55	80	92	84	80	72	70	78	88	87	92	80	78	92	72	79	82.7		
	MIN	49			58	62	60	47	61	58	46	55	54	46	41	55	60	61	56	59	50	54	58	55	61	60	57	60	49	47	59	57.6		
GRAFTON	MAX	83	76	78	80	89	92	91	88	95	89	87	74	72	64	64	81	82	81	77	76	75	77	78	85	91	91	84	89	87	77	83	81.7	
	MIN	47	55	42	49	49	57	61	51	61	63	59	62	59	56	47	46	47	67	49	43	57	58	57	57	60	65	51	45	59	51	47	56.1	
GRAND FORKS FAA AIRPORT	MAX	85	80	75	80	86	86	86	88	94	84	82	79	69	64	74	81	91	85	79	71	77	83	81	92	98	83	81	90	75	78	87	82.1	
	MIN	60	52	43	52	50	57	62	42	58	65	63	60	48	60	60	58	59	57	51	54	57	65	59	64	64	58	52	57	60	50	58	57.3	
GRAND FORKS UNIVERSITY	MAX	84	78	75	78	87	93	87	86	95	84	81	76	68	64	72	78	82	83	79	74	78	79	78	86	92	85	81	89	83	77	85	81.2	
	MIN	59	59	46	52	51	59	62	47	59	65	62	60	55	56	59	55	60	65	54	54	58	60	58	59	61	65	54	58	62	53	59	47.9	
GRAND RAPIDS 1 N	MAX	83	79	81	81	81	86	89	88	93	85	87	82	68	72	80	83	88	86	85	78	70	70	81	87	95	88	76	87	84	80	86	82.5	
	MIN	63	43	43	53	49	48	55	47	59	64	58	57	51	52	51	53	52	52	48						40	53	51	53	58	62	57	58	57.9
GRANVILLE	MAX	83	78	87	85	89	93	94	96	90	96	89	78	70	74	87	89	94	77	70	75	71	79	83	89	92	86	79	91	84	77	87	84.5	
	MIN	53	49	50	56	52	61	59	61	66	56	60	54	52	57	50	42	64	44	42	54	50	50	51	55	63	60	54	60	53	54	56	55.4	
GRENOIRA	MAX	80	80	91	88	86	91	94	90	91	86	80	76	70	82	90	95	92	80	81	75	77	83	88	94	94	81	82	82	81	80	76	84.5	
	MIN	48	40	43	56	55	54	54	46	56	53	53	52	44	43	52	52	66	52	46	51	49	47	55	60	50	50	55	57	53	58	54	42.4	
HANKINSON R R STATION	MAX	92	84	79	78	79	80	84	85	82	89	81	78	83	74	72	75	79	85	81	84	72	75	78	79	84	93	87	82	82	83	81	81.3	
	MIN	66	54	53	57	51	58	58	44	54	54	60	56	57	57	57	55	51	56	56	54	53	52	56	57	60	63	62	61	65	61	59	57.0	
HANNAH	MAX	81	73	75	80	88	90	84	89	90	94	83	74	65	66	78	84	85	79	75	72	71	72	77	85	88	84	81	86	79	76	83	80.3	
	MIN	49	49	40	47	46	50	55	48	62	55	55	58	53	55	45	48	56	52	43	52	53	53	50	54	60	59	47	54	49	47	51	51.5	
HANSBORO	MAX	83	78	81	83	88	90	85	92	91	94	82	81	63	64	75	83	84	77	73	72	73	73	78	84	89	84	81	85	81	76	86	80.9	
	MIN	48	52	49	53	52	59	60	49	62	52	59	55	53	51	44	47	56	58	50	51	50	53	51	51	61	62	47	56	51	54	47	43.0	
HETTINGER	MAX	85	85	100	89	83	85	87	91	90	90	77	70	73	76	88	93	100	87	84	79	77	79	85	94	94							85.6	
	MIN	60	47	57	57	57	59	61	62	64	57	57	50	50	45	52	57	67	56	54	46	44	46	63	61	50							56.3	
HILLSBORO	MAX	86	78	81	80	87	92	86	88	95	85	81	81	73	65	74	80	83	83	80	77	74	77	80	85	92	87	88	90	83	80	84	82.4	
	MIN	54	51	48	54	48	58	56	54	54	64	62	62	57	58	59	56	57	65	56	52	55	54	55	60	60	64	60	57	57	58	54	56.8	
JAMESTOWN FAA AIRPORT	MAX	85	79	84	85	85	89	71	91	94	84	74	78	62	70	80	82	85	77	82	76	64	75	81	86	92	81	76	85	73	79	85	80.9	
	MIN	57	49	43	53	46	56	59	58	63	64	60	58	54	56	54	54	57	56	50	55	52	54	54	57	42	60	57	57	59	55	58	55.7	
JAMESTOWN STATE HOSP	MAX	85	79	81	82	84	89	89	91	96	88	82	74	64	68	78	80	86	82	81	76	64	71	78	79	93	85	75	88	84	77	83	81.1	
	MIN	59	50	42	54	50	56	60	60	63	61	60	62	53	56	54	51	55	64	50	58	51	54	53	58	62	65	57	57	63	55	60	56.5	
KEENE 2 S	MAX																																	
	MIN																																	
KENMARE	MAX	82	72	78	90	83	88	94	90	95	97	95	84	65	63	75	88	95	95	75	78	70	76	85	89	93	92	81	82	88	75	75	83.5	
	MIN	55	48	54	59	59	64	58	59	67	58	58	55	55	55	52	54	63	54	49	55	46	55	54	57	61	55	54	55	57	55	58	56.1	
KENSAL WILDLIFE REFUGE	MAX	86	79	84	86	86	92	93	94	95	95	86	83	72	71	82	85	88	84	83	78	67	75	80	85	92	90	78	88	83	77	87	84.0	
	MIN	57	50	42	53	42	51	54	55	59	64	61	55	53	55	48	52	59	62	49	54	49	52	51	52	61	59	48	53	61	54	56	53.9	
LANGDON EXP FARM	MAX	81	76	77	81	90	93	88	90	94	93	91	78	62	64	75	84	83	80	75	75	74	71	78	83	89	87	80	84	83	74	81	81.1	
	MIN	49	46	40	49	48	51	55	50	61	58	57	58	52	50	49	47	57	52	48	50	52	52	51	53	58	57	47	52	53	45	53	51.6	
LARIMORE	MAX	82	77	77	80	86	92	88	87	94	87	83	80	64	63	74	80	82	80	78	76	74	78	76	85	92	90	82	88	84	77	84	81.3	
	MIN	61	58	41	53	46	62	60	50	62	63	62	52	54	51	57	55	58	63	50	54	55	50	52	59	59	64	51	55	59	53	53	55.5	
LEEOS	MAX	83	76	81	82	88	91	90	92	91	96	87	79	68	68	82	85	86	84	77	75	73	77	80	86	91	85	83	88	83	77	85	82.9	
	MIN	53	49	46	53	50	56	56	54	66	55	62	58	54	51	54	45	55	55	52	57	50	54	52	54	64	59	52	59	58	52	52	54.4	
LINTON	MAX	84	84	90	89	87	90	94	94	95	91	73	82	70	76	89	90	94	89	88	85	72	78	92	94	99	87	79	89	88	84	90	86.6	
	MIN	56	55	54	56	59	62	64	60	62	61	54	56	47	52		63	55					49	51	52	56	59	54	55	62	54	63	56.4	
LISBON	MAX	84	83	79	79	80	83	84	88	92	90	82	84	76	74	78	82	87	85	82	75	75												

DAILY TEMPERATURES

NORTH DAKOTA
JULY 1961

Continued

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MUNICH 4 SW	MAX	81	81	75	80	87	89	87	90	90	92	86	80	65	67	78	83	83	77	75	72	73	71	80	83	88	80	80	84	85	82	75	84	80.6
	MIN	50	46	45	49	47	52	57	50	50	55	56	55	53	53	48	48	48	56	45	52	50	53	50	54	60	59	47	54	54	49	54	51.9	
NAPOLEON	MAX	82	81	88	84	83	91	95	95	96	90	84	80	72	73	85	87	95	87	86	82	70	75	83	91	98	86	78	89	85	81	88	85.2	
	MIN	57	48	50	57	53	50	56	60	61	64	59	58	53	53	47	50	58	59	48	56	49	57	44	51	64	65	59	59	65	58	61	55.8	
NEW ENGLAND	MAX	78	84	96	89	83	88	89	92	92	93	79	68	73	78	89	96	99	80	82	78	71	79	86	94	94	87	82	86	83	82	85.3		
	MIN	55	46	51	57	61	53	55	58	60	61	53	56	52	50	45	50	62	65	59	56	55	54	51	53	60	56	52	57	57	54	54.9		
NEW SALEM 1 SE	MAX	89	81	93	86	85	89	92	94	96	92	78	74	70	75	87	88	93	80	80	78	71	91	95	94	87	82	79	86	87	85.5			
	MIN	59	50	51	55	53	58	62	62	67	62	56	55	53	50	53	55	62	58	52	53	55	57	61	61	57	61	60	57	57	57	57.0		
NEWTOWN	MAX	82	80	90	88	86	88	91	94	92	91	80	78	67	78	88	90	94	91	80	75	74	80	88	91	90	79	87	86	78	80	84.3		
	MIN	52	47	54	60	55	62	55	61	67	57	62	54	53	57	50	54	67	57	53	56	49	56	57	51	53	61	57	58	57	56.5			
OAKES	MAX	90	82	77	76	78	78	81	83	83	89	78	79	79	67	74	76	81	85	78	83	71	70	72	78	82	91	88	71	82	80	77	79.2	
	MIN	66	52	48	55	52	52	58	58	58	65	58	58	52	54	50	55	54	63	52	53	53	51	53	57	61	65	60	60	62	60	61	56.4	
PARK RIVER	MAX	82	78	80	85	90	94	91	90	95	91	89	79	68	65	74	83	85	84	78	78	75	79	79	86	91	90	83	88	86	79	83	83.2	
	MIN	60	49	47	49	56	62	59	48	60	61	60	58	59	56	58	55	60	60	58	55	56	57	58	60	64	64	56	58	52	55	57.0		
PARSHALL	MAX	93	80	93	91	87	89	92	95	93	92	80	70	68	76	89	92	95	95	81	81	75	79	88	92	89	89	81	87	78	88	85.5		
	MIN	45	42	54	58	52	58	50	60	63	52	58	70	54	54	46	48	63	52	45	53	43	52	47	48	55	55	49	58	57	55	56	52.6	
PEMBINA	MAX	82	75	73	80	89	89	85	87	93	92	86	73	70	63	68	80	82	80	73	71	75	72	77	84	90	87	82	86	80	77	83	80.1	
	MIN	54	54	44	49	50	59	58	51	61	61	60	61	57	55	56	55	58	59	52	52	57	58	56	57	60	61	52	54	55	47	54	55.4	
PETERSBURG	MAX	79	74	75	78	85	90	84	88	94	86	79	77	60	64	73	79	80	76	75	72	71	74	78	83	89	86	79	85	79	73	83	79.0	
	MIN	59	51	46	52	50	56	60	50	62	64	59	50	52	55	55	53	58	63	52	53	53	54	55	56	60	62	54	56	59	52	55	55.4	
PETTIBONE	MAX	82	78	81	83	83	88	89	93	97	89	79	82	79	71	83	83	86	83	79	77	65	71	79	84	90	85	75	87	84	76	84	82.1	
	MIN	57	46	46	55	50	57	56	60	60	64	61	53	55	54	49	56	59	61	50	56	50	52	52	56	62	61	55	55	61	55	59	55.6	
PORTAL	MAX	81	78	78	88	85	91	93	90	95	94	90	85	85	91	92	76	78	69	75	84	88	92	86	80	92	86	80	82	81	77	78	82.9	
	MIN	46	41	52	58	55	60	57	59	60	58	50	50	49	50	48	54	62	50	43	52	41	50	52	55	55	51	54	56	54	53	52	52.5	
POWERS LAKE 1 N	MAX	85	74	82	90	86	87	90	94	95	89	93	85	60	69	90	96	92	80	84	75	75	85	91	91	93	83	80	78	88	78	77	84.2	
	MIN	59	45	41	56	56	55	54	56	58	55	60	64	60	58	48	49	50	48	45	50	49	46	49	53	55	55	50	55	55	57	52	51.8	
RAUB 10 SSW	MAX	75	80	90	85	88	89	92	96	94	91	75	70	76	90	89	97	78	80	75	73	80	89	88	94	79	76	91	84	77	79	84.0		
	MIN	55	50	60	56	59	60	55	60	64	60	58	55	57	55	56	60	57	59	57	56	50	57	54	60	64	59	58	65	66	57	60	58.0	
RICHARDTON ABBEY	MAX	80	80	94	88	86	88	91	91	94	91	78	75	69	76	87	93	99	92	80	76	73	77	86	93	94	91	79	91	84	79	82	85.1	
	MIN	59	47	55	58	62	53	60	61	62	59	59	53	53	46	50	57	67	59	57	60	54	54	56	59	62	60	58	60	60	56	57	57.2	
RIVERDALE	MAX	84	76	80	90	87	86	89	92	94	93	92	80	69	67	74	87	90	93	78	88	75	71	77	86	90	93	76	77	89	81	79	83.3	
	MIN	58	54	53	52	51	64	64	57	52	64	57	56	55	54	49	55	55	61	56	55	50	54	52	52	65	62	55	62	59	55	56	55.8	
ROLLA	MAX	79	73	77	79	86	89	85	90	88	91	81	78	64	65	71	80	83	71	73	65	73	71	77	82	86	80	80	81	71	73	83	78.5	
	MIN	54	54	46	51	47	65	63	54	63	56	65	52	54	55	55	49	59	58	54	52	52	55	52	59	60	59	52	57	55	51	53	55.2	
RUGBY	MAX	84	76	83	83	96	92	92	94	93	95	86	80	73	75	82	86	88	86	76	73	76	75	81	87	91	90	82	89	87	78	87	84.4	
	MIN	56	49	50	57	52	54	61	62	63	58	64	58	55	57	50	54	63	56	52	56	52	56	56	56	62	60	53	59	57	54	56	56.4	
SAN HAVEN	MAX	78	73	78	79	86	89	86	92	89	92	80	76	65	67	78	85	87	84	74	70	75	75	78	86	89	78	80	85	82	75	86	80.5	
	MIN	54	52	50	56	50	62	65	61	66	62	62	59	54	56	48	64	64	64	52	54	51	52	58	55	63	60	54	59	56	54	57	56.7	
SHARON	MAX	81	75	78	78	84	88	85	86	92	83	78	78	62	64	73	79	81	79	76	75	71	77	83	85	90	85	76	84	83	75	82	79.5	
	MIN	58	47	42	53	44	45	60	55	62	63	57	56	52	54	56	54	52	64	50	55	54	54	58	59	63	62	53	54	60	53	53	55.2	
STANLEY	MAX	76	80	91	84	89	90	93	93	94	97	84	76	65	78	89	94	95	76	84	73	73	84	90	92	90	82	79	88	79	78	82	84.5	
	MIN	48	43	49	58	52	58	56	60	64	56	58	53	51	54	46	50	61	54	50	55	44	50	53	51	62	56	51						

Continued

DAILY TEMPERATURES

NORTH DAKOTA
JULY 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	83	79	80	85	84	89	93	95	97	94	77	74	68	72	87	86	92	80	79	79	69	76	83	89	93	87	75	92	76	78	85	83.2
	MIN	56	48	50	57	52	56	59	58	61	61	58	55	54	54	59	59	44	58	53	57	47	52	52	55	58	56	58	59	54	57	55.4	
WISHEK	MAX	87	82	78	85	82	81	83	90	89	91	84	75	79	68		86	89	75	84	82	72	73	80	87	96	86	68	85	81		82.1	
	MIN	42	46	42	55	54	42	49	44	59	64	55	55	49	47	44		60	42	43	46	53	45	48	67	65	58	57	62	57		52.7	

EVAPORATION AND WIND

Station		Day of month																															Total Avg	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
DEVILS LAKE W8 CITY	EVAP WIND	.39 76	.32 81	.29 40	.26 54	.24 22	.43 43	.29 29	.20 44	.35 45	.31 39	.24 35	.13 28	.04 25	.07 20	.17 20	.19 19	.19 29	.16 60	.25 19	.12 34	.06 14	.14 29	.19 24	.21 21	.15 14	.27 29	.27 33	.21 20	.19 34	.16 36	.14 23	.21 21	6.50 1058
DICKINSON EXP STATION	EVAP WIND MAX MIN	.40 85 - -	.40 125 - -	.39 100 - -	.40 70 - -	.30 90 - -	.31 60 -	.39 85 -	.40 155 -	.40 140 -	.31 100 -	.43 75 -	.31 165 68	.08 140 68	.28 90 51	.16 40 51	.50 70 55	.39 130 89	.25 75 79	.39 65 53	.39 140 55	.39 70 52	.19 80 55	.19 45 58	.39 125 56	.49 50 87	.14 90 79	.27 130 88	.27 160 57	.28 100 92	.19 160 81	.30 100 80	9.92 3040 - -	
EDGELEY EXP FARM	EVAP WIND	.21 66	.35 52	.41 51	.39 109	.28 74	.32 48	.28 42	.30 39	.40 60	.37 57	*	*	.46 54	.09 46	.18 39	.22 34	.29 66	.36 49	.10 42	.37 61	.13 48	.13 21	.18 44	.18 29	.20 35	.36 48	*	*	.58 23	.24 19	.10 112	7.48 1552	
MANDAN EXP STATION (A)	EVAP WIND	.22 103	.38 130	.28 90	.36 170	.27 120	.22 73	.22 52	.29 66	.27 80	.26 82	.32 98	.10 44	.23 137	.12 72	.14 53	.09 45	.28 57	.30 135	.20 75	.16 65	.30 149	.14 112	.10 69	.15 32	.25 86	.31 114	.19 57	.25 73	.31 99	.07 230	.18 57	6.79 2825	
RIVERDALE	EVAP WIND MAX MIN	.31 63 61 61	.48 175 65 55	.37 95 82 54	.50 139 84 49	.40 91 87 51	.38 68	.32 58	.54 98	.43 83	.28 98	.26 86	.29 92	.28 82	.25 141	.10 75	.25 58	.35 58	.38 101	.35 125	.38 83	.35 61	.27 124	.25 90	.18 58	.34 127	.40 100	.44 59	.30 129	.23 125	.27 164	.17 138	.22 80	9.78 3053 82.3 55.4
WILLISTON EXP FARM	EVAP WIND MAX MIN	.52 179 - -	.29 34 - -	.26 11 - -	.37 10 - -	.31 6 - -	.37 10	.71 15	.51 12	.35 24	.37 86	.49 82	.25 27	.21 6	.23 17	.36 4	.43 34	.60 56	.44 18	.37 53	.31 18	.29 11	.31 3	.26 3	.33 42	.43 22	.39 22	.23 15	.48 29	.16 60	.36 19	.40 31	11.39 930	

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

MONTHLY EXTREMES

Highest Temperature: 102° on the 17th at Mott

Lowest Temperature: 37° on the 3d at Edmore 1 N

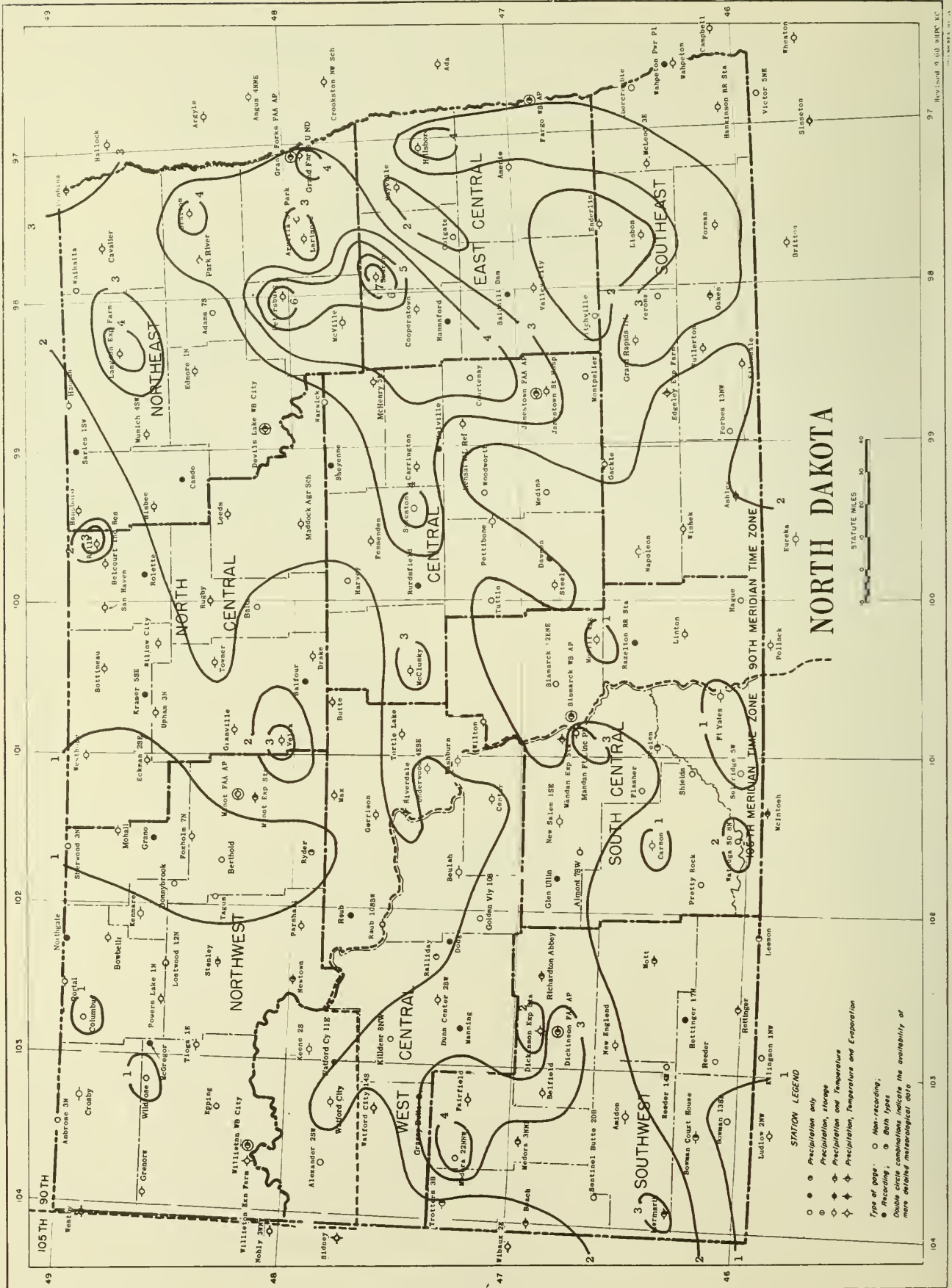
Greatest Total Precipitation: 7.21 inches at Sharon

Least Total Precipitation: 0.36 inch at Bowman 13 SE

Greatest one-day Precipitation: 2.45 inches on the 11th at Sharon

TOTAL PRECIPITATION

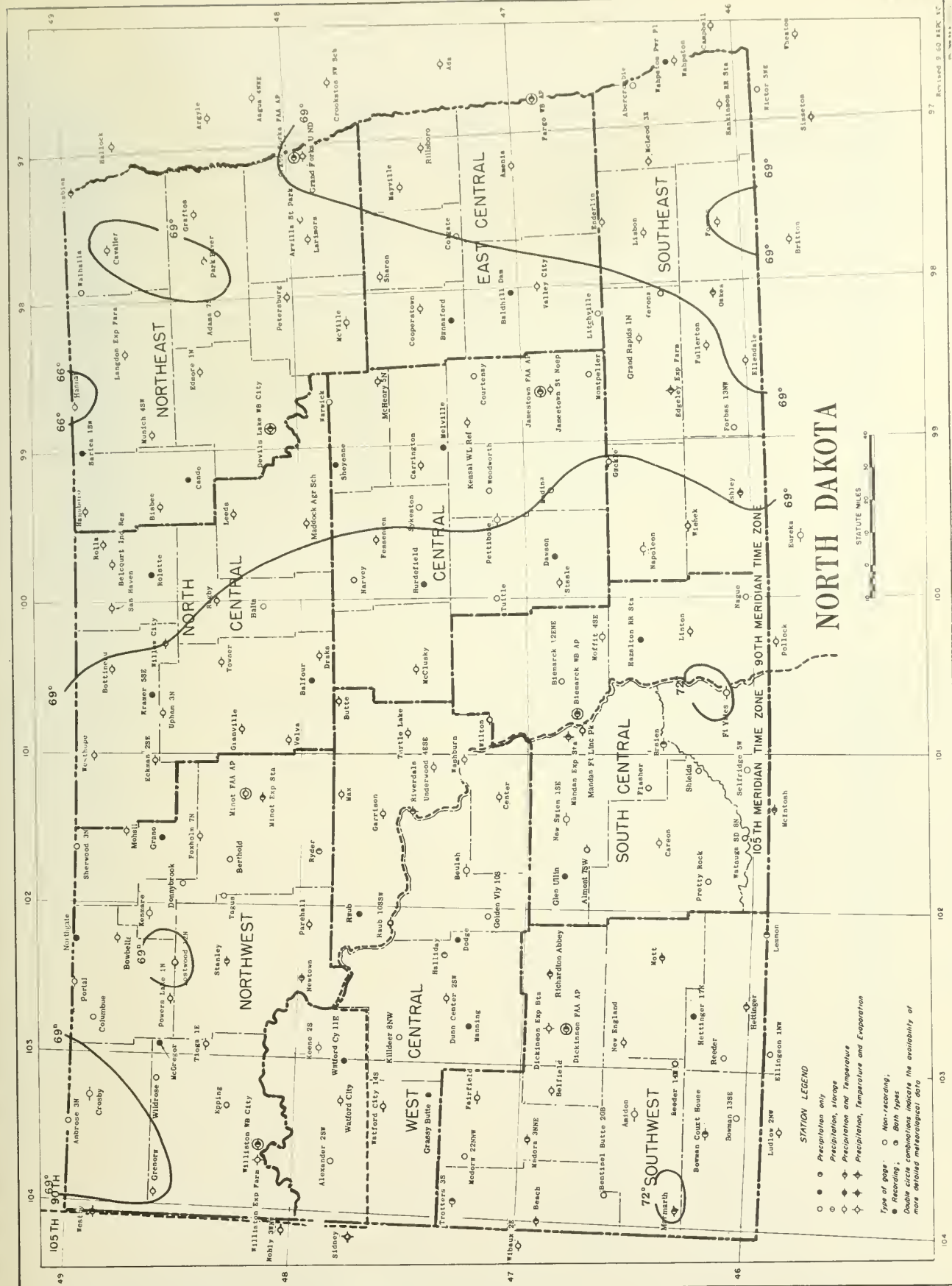
JULY 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

JULY 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

NORTH DAKOTA
JULY 1961

‡ DRAINAGE CODE: 1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEAPT 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMBINA 10. RED 11. SNEYKE 12. SOURIS 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
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CLIMATOLOGICAL DATA

NORTH DAKOTA

AUGUST 1961
Volume 70 No. 8



ASHEVILLE: 1961

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NORTH DAKOTA - AUGUST 1961

WEATHER SUMMARY

Temperatures averaged much above normal and temperatures of 100 degrees or higher were recorded in each week of the month. Devils Lake and Williston reported the warmest August on record. Heavy showers occurred on the first in the central portion and on the seventeenth in the extreme eastern portion of the state; otherwise August was a generally dry month. Williston's total monthly precipitation of 0.14 inch was the driest on record.

Alfred A. Skrede
Climatologist
Weather Bureau Airport Station
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 105° on the 6+ at Six Stations

Lowest Temperature: 36° on the 19th at Belcourt Indian Res

Greatest Total Precipitation: 3.03 inches at Forbes 13 NW

Least Total Precipitation: T at Powers Lake 1 N

Greatest one-day Precipitation: 2.50 inches on the 1st at Cooperstown

SUPPLEMENTAL DATA

NORTH DAKOTA
AUGUST 1961

Station	Wind direction		Wind speed		Wind direction		Relative humidity averages percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover, sun to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
BISMARCK WB AIRPORT	SSE	11	9.8	34	N	30	48	59	29	25	7	8	1	0	0	0	14	81	4.7
DEVILS LAKE WB CITY	S	-	7.0	24	SW	31+	-	75	36	32	4	4	2	0	0	0	10	78	4.0
FARGO WB AIRPORT	S	15	9.6	29	NW	11	71	85	44	39	7	0	0	0	1	0	8	84	4.4
WILLISTON WB CITY	S	-	5.7	19	W	21	-	64	37	26	2	4	0	0	0	0	8	82	4.9

CLIMATOLOGICAL DATA

Station	Temperature										Precipitation																
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure from Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days					
										30° or Above	32° or Below	32° or Below	31° or Below	Total					Departure from Long Term Means	Greatest Day	Date	Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More
NORTHWEST DIVISION																											
BOWBELLS	89.9	53.9	71.9		100	30	42	10	13	21	0	0	0	.21		.08	11	.0	0		0	0	0				
CROSBY	90.7	53.1	71.9		100	23	42	22+	11	19	0	0	0	.08	- 1.77	.08	2	.0	0		0	0	0				
FOXHOLM 7 N	91.9	55.0	73.5	6.2	100	29+	41	10	7	20	0	0	0	.06	- 2.04	.06	10	.0	0		0	0	0				
GRENORA	89.6	54.1	71.9		100	23	43	10	12	17	0	0	0	.21		.15	18	.0	0		1	0	0				
KENMARE	90.0	55.9	73.0		100	30	43	10	9	20	0	0	0	.03	- 1.87	.03	11	.0	0		0	0	0				
LOSTWOOD 12 N	90.2	50.8	70.5		98	29	37	10	18	19	0	0	0	.01		.01	10	.0	0		0	0	0				
MINOT FAA AIRPORT	90.1	60.1	75.1		100	3	48	10	6	19	0	0	0	.25		.09	31+	.0	0		0	0	0				
MINOT EXP STATION	90.2	58.4	74.3		100	30+	46	10	4	19	0	0	0	.11		.05	31	.0	0		0	0	0				
MOHALL	90.1M	53.0M	71.6M	4.8	102	4	43	25+	19	18	0	0	0	.07	- 2.11	.07	11	.0	0		0	0	0				
NEWTOWN	89.1	58.1M	73.6M	6.6	97	29			5	15	0	0	0	.16	- 1.52	.06	31	.0	0		0	0	0				
PARSHALL	91.0	53.4M	72.2M		98	29+	41	8	5	18	0	0	0	.22	- 1.45	.12	30	.0	0		1	0	0				
PORTAL	88.6	53.3	71.0	5.7	99	24	43	18	16	16	0	0	0	.41	- 1.86	.23	5	.0	0		2	0	0				
POWERS LAKE 1 N	89.8M	51.1	70.5M		100	4	37	11	20	21	0	0	0	T		T	24+	.0	0		0	0	0				
STANLEY	90.4	55.5	73.0		99	29	37	11	13	18	0	0	0	.15		.08	31	.0	0		0	0	0				
TIOGA 1 E	89.9	54.8	72.4		100	24	41	11	16	19	0	0	0	.26		.19	18	.0	0		1	0	0				
WILLISTON WB CITY	89.2	60.5	74.9	6.8	99	5	51	11+	7	16	0	0	0	.14	- 1.27	.07	18	.0	0		0	0	0				
WILLISTON EXP FARM	89.9	58.7	74.3		98	23+	48	10	4	17	0	0	0	.33		.10	27+	.0	0		2	0	0				
OIVISION			72.7	6.2							.16	- 1.78				.0											
NORTH CENTRAL DIVISION																											
BELCOURT INDIAN RES	87.5	50.6	69.1		97	6	36	19	20	11	0	0	0	.24		.14	30	.0	0		1	0	0				
BOTTINEAU	88.8	54.7	71.8	5.3	99	4	42	11	14	14	0	0	0	.51	- 2.06	.43	23	.0	0		1	0	0				
ORAKE	89.8	56.1	73.0	5.5	102	7	45	10	5	19	0	0	0	.37	- 1.72	.25	22	.0	0		1	0	0				
GRANVILLE	92.2	57.5	74.9	7.4	102	29+	40	10	7	21	0	0	0	.29	- 1.85	.08	31	.0	0		0	0	0				
LEEOS	89.8	55.9M	72.9M		101	6	43	10	7	16	0	0	0	.39		.15	29	.0	0		2	0	0				
MADDOCK AGRI SCHOOL	90.6	55.3M	73.0M	5.3	102	6	41	12	6	20	0	0	0	.62	- 1.47	.35	21	.0	0		2	0	0				
ROLLA	86.5M	57.4M	72.0M				46	12	9	11	0	0	0	.20		.17	30	.0	0		1	0	0				
RUGBY	90.8	57.3	74.1		100	6+	46	12	4	20	0	0	0	.52	- 1.69	.19	21	.0	0		2	0	0				
SAN HAVEN	88.2	57.0	72.6	6.6	97	6+	43	19	13	13	0	0	0	.20	- 2.18	.10	30	.0	0		1	0	0				
TOWNER	91.3	54.3	72.8	5.8	102	6	41	12	8	19	0	0	0	.52	- 1.72	.29	21	.0	0		2	0	0				
UPHAM 3 N	93.2	51.6	72.4		105	3	41	10+	8	23	0	0	0	.23		.14	21	.0	0		1	0	0				
VELVA	91.4	55.1	73.3	5.8	102	29	44	8	8	21	0	0	0	.41	- 1.70	.18	22	.0	0		1	0	0				
WESTHOPE	90.9	54.9	72.9	6.0	102	3	43	10	11	20	0	0	0	.08		.04	10+	.0	0		0	0	0				
WILLOW CITY	91.5	52.2	71.9	5.9	100	13+	38	12	10	20	0	0	0	.31	- 1.73	.14	30	.0	0		2	0	0				
OIVISION			72.6	5.9							.35	- 1.91				.0											
NORTHEAST DIVISION																											
ARVILLA STATE PARK	91.3M	55.2	72.2		101	3	44	12	18	15	0	0	0	1.30		.96	17	.0	0		3	1	0				
BISBEE	89.2	55.2	72.2		102	6	44	12	8	15	0	0	0	.17		.11	28	.0	0		1	0	0				
CAVALIER	89.1	56.6	72.9		98	16+	45	19	0	16	0	0	0	.32		.10	30	.0	0		1	0	0				
DEVILS LAKE WB CITY	87.9	57.2	72.6	5.8	100	6	44	12	9	14	0	0	0	.42	- 1.75	.21	31	.0	0		2	0	0				
EDMORE 1 N	88.7	52.0	70.4		99	6	42	18+	16	17	0	0	0	.24		.09	30	.0	0		0	0	0				
GRAFTON	89.1	56.0	72.6	3.9	100	13	39	19	8	15	0	0	0	.31	- 2.34	.17	1	.0	0		1	0	0				
GRAND FORKS FAA AIRPORT	88.8	57.2	73.0		101	14	45	19	6	15	0	0	0	1.53		1.13	17	.0	0		3	1	1				
GRAND FORKS UNIVERSITY	87.8	57.4	72.6	4.4	99	14	45	12	7	11	0	0	0	1.44	- 1.69	1.05	17	.0	0		3	1	1				
HANNAH	87.4	51.2M	69.3M		98	6	39	19	19	10	0	0	0	.21	- 2.68	.11	31	.0	0		2	0	0				
HANSBORO 3 W	88.8	52.7	70.8	5.8	98	6	41	19	9	14	0	0	0	.13	- 2.43	.13	30	.0	0		1	0	0				
LANGOON EXP FARM	88.5	51.5	70.0	4.1	97	6	39	19	16	16	0	0	0	.14	- 2.49	.04	24+	.0	0		0	0	0				
LARIMORE	88.9	56.9	72.9	4.6	99	14+	43	12	4	17	0	0	0	1.39	- 1.22	1.29	17	.0	0		1	1	1				
MC WILLE	88.1	53.8	71.0		99	14	42	19+	11	13	0	0	0	.62		.35	17	.0	0		2	0	0				
MUNICH 4 SW	88.2	51.9	70.1		97	13+	42	10	11	14	0	0	0	.34		.18	2	.0	0		1	0	0				
PARK RIVER	90.2	57.8	74.0	6.3	99	29+	44	19	5	17	0	0	0	.13	- 2.06	.13	17	.0	0		1	0	0				
PEMBINA	87.6	55.0	71.3		97	29+	40	19	8	12	0	0	0	.48	- 2.40	.26	30	.0	0		1	0	0				
PETERSBURG	85.5	55.5	70.5		97	14	44	12	14	9	0	0	0	2.05	- .45	1.88	17	.0	0		2	1	1				
OIVISION			71.6	4.7							.66	- 2.05				.0											
WEST CENTRAL DIVISION																											
BEULAH	92.6	57.1	74.9		103	29	42	12	1	22	0	0	0	.21		.09	15	.0	0		0	0	0				
BUTTE	90.9	58.3	74.6		103	7	46	10	5	20	0	0	0	.22		.11	22	.0	0		1	0	0				
CENTER	92.0	56.5	74.3		104	29+	42	12	1	21	0	0	0	.16		.14	31	.0	0		1	0	0				
OUNN CENTER 2 SW	88.5	56.9	72.7	6.2	99	16	47	12	8	14	0	0	0	.14	- 1.83	.06	11	.0	0		0	0	0				
GARRISON	90.5	59.5	75.1	7.4	100	30	49	11+	1	21	0	0	0	.04	- 1.78	.03	11	.0	0		0	0	0				
KEENE 2 S	89.8	54.8M	72.3M		99	25	43	10	23	20	0	0	0	.22		.11	18	.0	0		0	0	0				
MAX	89.4	56.6	73.0	5.9	99	30	45	11	8	17	0	0	0	.14	- 2.02	.06	5	.0	0		0	0	0				
RAUB 10 SSW	90.3	60.8M	75.5M		100	29	50	18+	3	17	0	0	0	.10		.07	10	.0	0		0	0	0				
RIVERDALE	89.6	58.4	74.0		101	30	49	13+	5	17	0	0	0	.14		.07	18+	.0	0		0	0	0				

See reference notes following Station Index.
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CLIMATOLOGICAL DATA

NORTH DAKOTA
AUGUST 1961

CONTINUED

Station	Temperature												Precipitation																
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days							
										Max.									Min.					Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More
										90° or Above	80° or Above	70° or Above	60° or Above	50° or Above					40° or Above	30° or Above	20° or Above	10° or Above	0° or Below						
TURTLE LAKE	91.6	57.5	74.6		103	6	50	11+	0	22	0	0	0	.17		.07	31	.0	0		0	0	0						
UNDERWOOD 4 ESE	90.3	57.9	74.1		102	6	48	11	2	17	0	0	0	.27		.22	31	.0	0		1	0	0						
WASHBURN																													
WATFORD CITY	91.5	56.7	74.1	5.2	99	29+	48	12+	7	22	0	0	0	.28	- 1.27	.10	10	.0	0		1	0	0						
WATFORD CITY 14 S	92.6M	56.2M	74.4M		101	29+	43	12	4	25	0	0	0	.27		.12	30	.0	0		1	0	0						
WILTON	91.1	58.1M	74.6M		105	6	48	11	1	19	0	0	0	.04		.02	30+	.0	0		0	0	0						
DIVISION			74.2	6.5										.17	- 1.76			.0											
CENTRAL DIVISION																													
CARRINGTON	87.5	54.0	70.8	3.6	100	7	44	13+	11	12	0	0	0	1.04	- .86	.52	27	.0	0		4	1	0						
FESSENOEN	91.2	56.7M	74.0M	6.1	102	6			2	19	0	0	0	.98	- .99	.40	31	.0	0		4	0	0						
JAMESTOWN FAA AIRPORT	//R 88.0	57.2	72.6		98	29+	45	12	3	15	0	0	0	1.79		.92	17	.0	0		3	2	0						
JAMESTOWN STATE HOSP	88.0	57.8	72.9	3.7	98	29	42	12	3	15	0	0	0	1.32	- .81	.79	17	.0	0		4	1	0						
KENSAL WILDLIFE REFUGE	88.6M	54.6M	71.6M		100	6	42	12	7		0	0	0	1.33		.56	27	.0	0		2	2	0						
MC CLUSKY	90.9	56.5	73.7	5.4	102	6	45	12	3	18	0	0	0	.47	- 1.44	.26	22	.0	0		1	0	0						
MC HENRY 5 N	87.5	53.9	70.7		98	29+	40	12	16	13	0	0	0	1.15		.72	1	.0	0		2	1	0						
PETTIBONE	89.1M	57.2M	73.2M	5.0	102	6	45	12	8	16	0	0	0	1.20	- .95	.63	17	.0	0		3	1	0						
STEELE	89.6	58.3	74.0	5.7	101	29+	47	11	1	17	0	0	0	.71	- 1.33	.30	17	.0	0		4	0	0						
TUTTLE	90.7	54.1	72.4		101	29+	43	19	6	18	0	0	0	1.02		.46	27	.0	0		3	0	0						
DIVISION			72.6	4.7										1.10	- 1.04			.0											
EAST CENTRAL DIVISION																													
AMENIA	88.2	57.6M	72.9M		100	14	42	12	10	15	0	0	0	1.47		1.10	17	.0	0		2	1	1						
COOPERSTOWN	87.4	56.4	71.9		96	14+	42	12	8	12	0	0	0	2.98	- .41	2.50	1	.0	0		3	1	1						
FARGO WB AIRPORT	//R 88.7	58.3	73.5	4.4	99	29+	42	12	9	14	0	0	0	1.02	- 1.71	1.00	17	.0	0		1	1	1						
HILLSBORO	89.3	57.3M	73.3M	4.3	99	29+	45	12	5	15	0	0	0	.40	- 2.42	.33	17	.0	0		1	0	0						
MAYVILLE	88.7	58.3	73.5	3.7	98	14	44	12	5	17	0	0	0	.02	- 2.67	.02	1	.0	0		0	0	0						
SHARON	85.7	56.2	71.0	3.3	95	29+	42	12	11	10	0	0	0	.38	- 2.36	.18	17	.0	0		2	0	0						
VALLEY CITY	87.5	M	M		95	29+			14	0	0	0	0	.70	- 1.63	.46	16	.0	0		2	0	0						
DIVISION			72.7	3.8										1.05	- 1.49			.0											
SOUTHWEST DIVISION																													
AMIOON	88.6	58.2M	73.4M		98	30	48	12	6	17	0	0	0	.92		.23	17	.0	0		4	0	0						
REACH	89.2	56.7	73.0		102	4	46	12	11	17	0	0	0	1.02		.27	17	.0	0		5	0	0						
BELFIELD	87.5	56.5	72.0		96	15	48	13+	2	14	0	0	0	1.30		.63	2	.0	0		5	1	0						
BOWMAN COURT HOUSE	89.5	59.2M	74.4M	5.6	101	3			11	19	0	0	0	.99		.25	17+	.0	0		4	0	0						
DICKINSON FAA AIRPORT	//R 89.6	57.8	73.7		100	29+	50	12+	4	19	0	0	0	1.04		.36	2	.0	0		4	0	0						
DICKINSON EXP STATION	89.1	55.9	72.5	5.4	100	16	44	12	9	17	0	0	0	1.68	- .08	1.03	2	.0	0		3	1	1						
FAIRFIELD	88.9	57.8	73.4		100	29	49	11	4	15	0	0	0	.73		.34	2	.0	0		2	0	0						
HETTINGER	89.2M	60.7M	75.0M	2.5	101	5			10	17	0	0	0	.41	- 1.41	.17	10	.0	0		2	0	0						
MARMARTH	90.7	55.9	73.3	4.2	102	4	44	12	13	20	0	0	0	.84	- .81	.39	11	.0	0		2	0	0						
MEADORA 3 NNE	93.3	56.9	72.1		101	29+	38	13	8	25	0	0	0	.56		.13	10+	.0	0		3	0	0						
MOTT	90.3M	54.4	72.4M	3.3	101	6	41	12	1	19	0	0	0	.77	- .78	.50	2	.0	0		2	1	0						
NEW ENGLAND	89.4	57.5	73.5	4.1	100	29	46	12	4	17	0	0	0	.42	- 1.16	.22	31	.0	0		2	0	0						
RICHAROTON ABBEY	89.4	60.3	74.9	6.1	99	29+	50	11	1	16	0	0	0	.70	- 1.09	.24	31	.0	0		3	0	0						
TROTTERS 3 S	89.6	58.4	74.0		99	16+	49	19	6	18	0	0	0	.36	- 1.32	.13	18	.0	0		2	0	0						
DIVISION			73.4	4.7										.84	- .92			.0											
SOUTH CENTRAL DIVISION																													
ALMONT 7 SW	92.0	60.7	76.4		105	6	50	11	0	19	0	0	0	.42		.14	31	.0	0		2	0	0						
BISMARCK WB AIRPORT	//R 91.7	55.6	73.7	4.4	104	29+	41	12	3	20	0	0	0	.43	- 1.07	.24	19	.0	0		1	0	0						
BREIEN	92.9M	56.1M	74.5M		105	6	40	12	0	0	0	0	0	1.00		.47	19	.0	0		3	0	0						
CARSON	90.8	57.5	74.2	4.8	104	30	44	11	5	18	0	0	0	1.31	- .20	1.06	2	.0	0		2	1	1						
FORT YATES	M	M	M		103	30+					0	0	0	1.36	- .38	.63	2	.0	0		5	1	0						
LINTON	93.1	57.1	75.1	4.2	104	6	42	12	1	23	0	0	0	1.10	- .75	.33	30	.0	0		5	0	0						
MANOAN EXP STATION	90.5	58.4	74.5	5.3	104	7	45	12	2	18	0	0	0	.51	- 1.25	.33	19	.0	0		1	0	0						
MANOAN FT LINCOLN PARK	92.6	58.4	75.5		105	6	45	11	0	20	0	0	0	.48		.40	19	.0	0		1	0	0						
MOFFIT 4 SE	92.2	54.8	73.5		104	6	44	12+	2	23	0	0	0	.45		.19	17	.0	0		2	0	0						
NEW SALEM 1 SE	91.4	59.5	75.5	6.6	105	6	48	11	0	18	0	0	0	.73	- 1.07	.53	31	.0	0		2	1	0						
DIVISION			74.8	5.1										.78	- 1.07			.0											
SOUTHEAST DIVISION																													
ASHLEY	88.4	56.2	72.3	3.9	99	29	42	12	5	14	0	0	0	1.60	- .59	.96	17	.0	0		3	1	0						
EDGELEY EXP FARM	88.1	56.7	72.4	3.4	101	15	46	12	7	15	0	0	0	2.37	- .43	1.62	18	.0	0		3	1	1						
ELLENDALE	89.3	58.8	74.1	4.2	102	14	48	12	2	18	0	0	0	1.87	- .92	.98	17	.0	0		3	2	0						
ENOERLIN	88.6	54.7	71.7		102	15	40	12	15	16	0	0	0	2.48		2.20	18	.0	0		2	1	1						
FORMAN	88.5	59.4	74.0		102	29	47	12	2	14	0	0	0	.36	- 1.63	.15	17	.0	0		3	0	0						
FULLERTON	88.6	57.5	73.1	3.1	100	14	47	12	2	16	0	0	0	2.50	- .29	1.83	17	.0	0		3	1	1						
GACKLE	89.2	57.5	73.4		100	29	47	12+	3	16	0	0	0	.55		.30	27	.0	0		2	0	0						
GRAND RAPIDS 1 N	88.5	55.8	72.2		100	14	39	12	7	17	0	0	0	2.72		1.37	17	.0	0		6	1	1						
HANKINSON R R STATION	85.5	58.8	72.2	2.5	96	30+	45																						

DAILY PRECIPITATION

NORTH DAKOTA
AUGUST 1961

Station	Time	Day of Month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
ARECROWHIE	.49							T										.42												.06					
ADAMS 7 S	.44																	.08																	
ALEXANDER 2 SW	.44	.08		.07														.17	.07			T							.07						
ALMONT 7 SW	.42																	.04			.03							.11		T					
AMHROSE 3 N	.01		.01					T			T						.06		.04												T		.14		
AMERICA	1.47	.07											.05					1.10	.25																
ANDONA	.92	T							.04				.15					.23			.04	.13						.09	.04	.03	.13				
ARVILLA STATE PARK	1.30				.14											.20		.96	.04																
ASHLEY	1.60	.09	.28					T		T								.96					.05	.03				.13			T				
BALTA	.35										.04		.08					T					.22								T		.05		
BEACH	1.02							.08					.15					.27	.03	.01			.12					.18				.18			
BEFCOURT INDIAN RES	.24			T						T			.05					.03			.01		.01							.01	.14		.01		
BEFIELD	1.50	.23	.63								.10	T	.02	.02				.02	T			T					.16	.12							
BERTHOLD	.19	T				.13		T			.01																				.05	T			
BEULAH	.21		.01					T			.02						.09											.02					.07		
BISBEE	.17																																		
BISHARKE WA AIRPORT	.43									T							T		.03		.24	T	.06			T			.05		.11	.04	T	T	.02
BISHARKE 12 ENE	.22		.02					T		.03								T	.07	.02						T				T		.04			
BOTTINEAU	.51			T					T		.04							.02						.43									.02		
BOWBELLS	.21		.01			.02						.08											.05	.02							.01				
BOWMAN COURT HOUSE	.99	.05						.07	.10			.25						.25		.03		.22													
BOWMAN 13 SE	1.12							.10			.06	T	.32	.01				.14	T			.23						.04							
BREYEN	1.00										T		.04					.03		.47								.26			.23				
BRITTE	.22	.31	.16								T		.01					.03										.09			.23	.02			
CARPINGTON	1.04											.15							.05				.17						.52	.13	.01	T			
CARSON	1.31		1.06								T							T					.05			.01			.25			T	.10	.09	
CAVALLIER	.32					.07				T																								.09	
CENTER	.16									T	.02																				T	.10	.09		
COLGATE	1.53	.98																																.14	
COLUMBUS	.03		.03															.34	.09																
CHOPERSTOWN	2.98	2.50				T		T				.05						.10				.02				T			.31			T			
COURTENAY	.75							T										.08				.14							.49				.04		
CROSSBY	.08																																		
DEVILS LAKE WB CITY	.42					.01		.01			.02							T												T	T	.02	.21		
DICKINSON FAA AIRPORT	1.04	.20	.36					.05			.07					.18	T	.01		T		.15					.05	T		T		.01	.11		
DICKINSON EXP STATION	1.68	.02	1.03					.06				.15						.01		.05		T							.30	.06			.15		
DOHNBROOK	.15																																		
DRAKE	.37							.02			T		.08					.02	.02																
DUNN CENTER 2 SW	.1A		.04									.06						.02		.01			.25						T	T			.01		
ECKMAN 2 SE	.03																					.03													
EDGELEY EXP FARM	2.37		.04									.01	.09						1.62			.07							.26			.28			
EDMORE 1 N	.24							.02										.05				.02									.09		.06		
ELLEDALE	1.87		.09								.07							.98	.04		T							.52	.06						
ENDORLIN	2.48	.04									.12	.09						2.20				.11													
EPPING	.25		.02								.01							.02	T	.14									.06						
FAIRFIELD	.73	.15	.3A					.04				.08						.03	.04											T	T	.02	.03		
FARGO WB AIRPORT	1.02							T			.28	.10	.05					1.00												T	T	.02			
FESSENDEN	.98	.10																				.05												.40	
FLASHER	1.44		.12																																
FORNES 13 NW	3.03	.25	.28								.03							2.02	.03				.19						.25						
FORNES 13 NW																													.23						
FORNAN	.36																	.15	.10																
FORT YATES	1.36	.13	.63																		.30								.11				.14		
FDRHOLM 7 N	.06										.06	T																							
FULLERTON	2.50	.05						.02			.10	.01	.01					1.83	.12			.07						.39			.01				
GACKLE	.65										.10	.01	.01					.06	.02			.08	.06					.30							
GARRISON	.0A							.01					.03																						
GOLDEN VALLEY 10 S	.11	.05																																	
GRAFTON	.31	.17				.03		.03		.02	.16	T						.05				.01									T				
GRAND FORKS FAA AIRPORT	1.53	.17						T		.02	.16	T						1.13													.07	T			
GRAND FORKS UNIVERSITY	1.44	.15								.15								1.05													T		.09		
GRAND RAPIDS 1 N	2.72		.07	.05								.14						1.37	.24			.18						.26			.36	.05			
GRANVILLE	.29										.05											.06									.03	.07		.08	
GRENDRA	.21		.03																.15																
HAGUE	1.23	.03				T		T			.19	T									.11		.02	.05				.02	.06			.07		.26	
HALLIDAY	.37		.11					T										.04																	
HANKINSON R R STATION	1.31		.31									.04							.59																
HARVAM	.21																	T																	
HANSHORO 3 W	.13																																.10	.11	
HARVEY	.42																																		
HETTINGER	.41		.04	T				.04			.14	.17						.01	.10								.10				.08				
HILLSBORO																																			
JAMESTOWN FAA AIRPORT	.40	.02																.33																	

See reference notes following Station Index.
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DAILY PRECIPITATION

NORTH DAKOTA
AUGUST 1961

Continued

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
POWERS LAKE 1 N	T																															
PRETTY ROCK	.95		.67								.06																.20					
RAUB 10 SSW	.10										.07																					
REEGER	.84										.23																					
REEGER 14 N	.44		.01								.07																					
RICHARDTON ARBEY	.70	.04	.14								.04																					
RIVEROALE	.14										.07																					
ROLLA	.20										.02																					
RUGBY	.52										.02																					
RYDER	.15										.02																					
SAN HAVEN	.20		.01								.02																					
SELFRIDGE 5 W	1.38		1.20								.06																					
SENTINEL BUTTE 20 S	.64										.34																					
SHARON	.38										.02																					
SHERWOOD 3 N	.08										.01																					
SHIELDS	2.35		1.45								.03																					
STANLEY	.15		.01								.02																					
STEELE	.71										.12																					
SYKESTON	1.21	T									.02																					
TAGUS	.07										.18																					
TIOGA 1 E	.26	.03	.01																													
TOWNER	.52																															
TROTTERS 3 S	.36										.10																					
TURTLE LAKE	.17										.05																					
TUTTLE	1.02										.04																					
UNDERWOOD & ESE	.27										.05																					
UPHAM 3 N	.23										.04																					
VALLEY CITY	.70																															
VELVA	.41										.07																					
VERONA	2.46																															
WAMPEYON	1.89	.04	.24																													
WALHALLA	.10										.04																					
WARWICK	.46	.09																														
WASHBURN																																
WATAUGA S DAKOTA 8 N	.94	.50	.40																													
WATFORD CITY	.28										.10																					
WATFORD CITY 14 S	.27	.08	.02								.04																					
WESTHOPE	.08																															
WILOROSE	.04										.02																					
WILLISTON NR CITY	.14										.02																					
WILLISTON EXP FARM	.33										.02																					
WILLOW CITY	.31		.02								.04																					
WILTON	.04																															
WISHEK	1.25		.38	.09							.05																					
WOODWORTH	.84										.12																					

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
AUGUST 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX MIN	90 59	95 62	100 64	95 62	98 64	105 67	90 64	95 55	90 71	79 52	83 50	88 54	97 62	101 60	99 65	95 65	86 67	83 51	82 57	89 54	88 63	89 58	93 58	95 66	96 58	87 58	87 56	94 62	102 68	89 71	93 58	92.0 60.7
AMENIA	MAX MIN	85 68	94 64	96 64	89 66	90 66	96 61	86 67	89 57	84 61	78 53	82 53	90 42	97 48	100 63	95 58	95 62	91 60	68 53	75 47	79 48	81 51	84 55	83 55	90 59	85 58	85 51	83 51	95 57	98 58	99 72	92 63	88.2 57.6
AMIDON	MAX MIN	90 51	93 57	91 53	93 57	91 64	95 61	89 57	93 54	92 61	80 56	64 58	78 48	96 59	91 64	97 59	95 61	87 55	88 56	86 59	87 62	81 57	80 56	89 60	89 61	93 56	91 60	80 55	92 57	93 62	93 67	98 64	88.6 58.2
ARVILLA STATE PARK	MAX MIN	80 60	99 61	101 60	94 66	98 61	99 61	91 65	89 50	93 50	88 50	91 50	97 60	100 66	90 66	96 60	93 60	86 60	86 60	88 60	88 60	85 60	87 60	92 60	84 60	84 60	85 60	91 60	96 60	93 60	94 60	91.3	
ASHLEY	MAX MIN	89 60	93 61	94 58	89 58	88 56	96 63	85 61	93 54	88 63	73 48	83 46	87 42	92 59	98 56	95 55	90 61	90 66	84 55	75 52	80 54	82 56	80 56	84 48	94 60	92 48	86 57	81 60	95 57	99 62	96 65	89 56	88.4 56.2
BEACH	MAX MIN	80 57	87 62	94 59	102 56	99 58	97 64	93 60	91 58	93 58	78 48	62 49	80 46	87 50	92 52	95 56	100 64	95 62	86 55	82 56	88 57	89 61	83 58	90 55	97 57	93 50	95 64	77 54	88 52	90 61	97 64	85 56	89.2 56.7
BELCOURT INDIAN RES	MAX MIN	84 49	92 47	94 52	93 61	92 53	97 58	89 48	86 42	85 57	74 45	71 46	89 40	95 50	93 50	89 56	94 58	92 69	85 45	80 36	84 46	87 55	85 43	88 46	87 60	84 45	82 58	84 50	89 47	91 60	86 60	90 48	87.5 50.6
BELFIELD	MAX MIN	83 55	90 57	94 57	93 56	93 60	90 59	86 61	88 49	83 60	73 53	82 50	84 48	90 48	94 50	96 52	93 60	88 64	80 55	83 58	87 54	82 62	87 54	94 57	91 65	90 53	80 56	95 55	95 57	80 63	88 59	88 65	87.5 56.5
BEULAH	MAX MIN	90 64	96 62	98 56	95 64	97 64	100 63	91 63	94 50	89 66	77 51	82 48	91 42	98 49	100 50	101 57	97 65	90 67	86 54	84 53	89 53	88 64	90 55	99 61	96 62	93 51	88 54	88 58	92 56	103 69	94 53	94 53	92.6 57.1
BISBEE	MAX MIN	85 53	93 59	97 60	92 62	95 55	102 58	90 59	88 50	88 61	75 47	74 48	90 44	97 49	95 58	88 54	96 57	90 69	85 52	82 50	87 46	87 57	87 51	90 52	89 60	85 55	87 54	87 58	93 56	92 57	85 63	95 54	89.2 55.2
BISMARCK WB AIRPORT	MAX MIN	91 57	98 65	100 60	94 53	95 64	104 67	89 67	94 51	92 63	78 46	83 47	89 41	96 49	99 50	99 57	95 65	81 62	80 55	79 54	87 55	88 57	87 54	91 50	96 60	93 46	93 52	88 52	94 59	104 63	93 53	93 51	91.7 55.6
BOTTINEAU	MAX MIN	85 50	88 55	95 56	99 64	89 60	96 62	96 50	92 52	88 61	84 43	77 42	76 48	92 49	98 53	95 61	89 63	96 68	89 45	75 45	83 52	88 54	90 52	85 54	91 57	90 53	87 60	87 58	91 52	95 62	81 56	81 56	88.8 54.7
BOWBELLS	MAX MIN	78 50	89 57	95 55	99 58	93 58	98 61	92 55	90 56	91 56	80 44	74 44	86 52	91 58	96 54	97 57	90 50	97 56	83 49	87 53	81 63	77 48	86 53	91 48	98 57	90 48	91 55	86 53	87 49	100 61	90 58	89.9 53.9	
BOWMAN COURT HOUSE	MAX MIN	90 62	96 65	101 64	99 62	98 62	98 59	89 59	94 60	80 55	61 48	76 51	86 56	91 63	96 59	97 57	95 63	86 59	80 56	91 56	91 62	79 57	88 54	94 66	91 66	94 59	81 53	88 56	91 62	99 56	82 60	94 60	89.5 59.2
BREIEN	MAX MIN	91 61	98 63	101 58	97 55	96 59	105 61	88 61	95 54	88 67	85 50	95 44	90 40	101 47	94 58	89 58	95 72	81 55	90 55	89 58	87 56	90 47	96 65	94 49	88 55	89 56	94 55	104 55	90 50	93 67	93 52	92.9 56.1	
BUTTE	MAX MIN	88 53	87 59	99 61	100 60	90 64	97 68	103 63	94 48	92 63	91 46	77 47	80 52	92 61	99 54	100 57	91 64	95 72	87 55	74 52	82 58	87 59	93 52	85 57	91 64	92 53	88 55	87 62	93 62	90 58	102 62	93 58	90.9 58.3
CARRINGTON	MAX MIN	84 58	84 59	93 61	95 61	88 59	92 61	100 65	88 48	89 51	89 49	75 51	76 44	88 44	95 63	96 55	89 58	95 55	80 50	74 47	81 48	84 53	90 53	83 51	87 52	91 52	87 52	85 53	77 53	91 53	96 57	91 55	87.5 54.0
CARSON	MAX MIN	88 57	92 56	92 55	97 62	95 63	94 66	102 63	87 58	92 61	90 47	73 44	82 53	87 55	95 61	99 61	93 60	87 62	81 50	83 58	84 60	89 55	88 60	89 65	94 51	94 54	85 54	86 58	93 61	95 65	104 56	90 56	90.8 57.5
CAVALIER	MAX MIN	85 57	95 60	96 56	93 60	91 56	98 58	95 56	98 56	95 58	78 53	77 52	83 52	98 58	95 63	99 53	98 67	92 54	78 45	84 50	84 55	89 55	84 55	85 62	92 53	86 54	84 55	93 55	92 54	96 55	92 69	90 57	89.1 56.6
CENTER	MAX MIN	95 57	97 62	100 60	95 57	98 70	104 63	91 62	94 50	89 63	81 50	80 48	89 42	97 50	99 58	100 58	95 63	86 68	80 51	91 50	80 56	88 61	90 56	95 65	94 60	93 51	89 50	93 55	104 55	90 69	95 53	92.0 56.5	
COOPERSTOWN	MAX MIN	84 58	91 61	92 64	89 62	89 58	96 61	92 62	86 53	88 63	78 50	88 51	88 42	95 50	96 56	87 60	88 62	70 52	78 43	81 49	85 51	83 53	84 49	89 61	94 54	84 54	79 60	93 58	95 55	90 73	91 56	87.4 56.4	
CROSBY	MAX MIN	87 50	94 57	98 57	96 59	97 57	92 64	88 53	92 55	78 61	75 42	79 49	91 47	93 54	97 54	94 55	90 61	77 60	86 50	89 47	87 60	92 50	100 42	98 55	88 58	88 58	88 50	91 47	96 51	91 61	93 52	90.7 53.1	
DEVILS LAKE WB CITY	MAX MIN	85 57	93 64	96 63	85 64	92 59	100 67	91 62	87 51	90 57	75 49	76 52	90 44	97 53	97 60	88 54	95 64	81 72	81 46	86 49	87 58	84 53	88 63	90 57	86 54	85 53	82 63	94 62	94 60	84 65	93 55	87.9 57.2	
DICKINSON FAA AIRPORT	MAX MIN	87 58	92 58	100 58	93 63	92 63	95 62	86 61	90 55	82 56	69 52	82 50	87 50	95 56	96 60	99 60	93 60	92 65	80 54	87 59	84 61	91 56	94 57	95 64	95 54	86 54	92 55	100 56	92 62	100 58	82 58	90 58	89.6 57.8
DICKINSON EXP STATION	MAX MIN	84 58	87 56	90 55	97 63	93 59	92 60	94 60	86 50	90 58	81 49	68 50	79 44	96 50	92 58	95 58	100 66	95 61	88 54	88 56	89 63	84 58	92 55	96 63	94 47	92 58	79 53	87 54	90 59	99 64	83 54	89.1 55.9	
DRAKE	MAX MIN	83 57	87 59	95 62	98 57	90 62	95 65	102 50	92 50	90 50	88 45	75 48	80 50	90 57	97 58	98 59	90 60	96 48	75 48	83 50	87 57	92 52	85 52	91 57	91 50	87 50	86 50	88 60	91 57	101 60	90 56	89.8 56.1	
OUNN CENTER 2 SW	MAX MIN	78 57	86 61	89 58	96 57	93 62	93 61	91 62	88 53	90 53	78 52	71 50	78 47	86 55	92 54	98 55	99 61	98 60	87 52	86 52	87 59	84 59	89 64	96 55	95 55								

DAILY TEMPERATURES

NORTH DAKOTA
AUGUST 1961

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX MIN	85 55	91 61	94 62	97 66	93 64	97 69	98 63	90 52	91 62	85 49	78 49	80 53	93 60	96 56	98 59	93 62	94 73	90 50	75 55	83 60	85 65	89 57	92 66	93 65	91 52	88 55	91 54	89 60	93 64	100 70	93 60	90.5 59.6
GRAFTON	MAX MIN	83 58	92 57	94 58	93 65	88 54	99 60	96 64	90 55	92 60	85 53	77 55	86 60	100 57	96 54	89 51	95 59	93 68	74 50	80 39	84 49	86 54	85 51	85 52	92 61	87 58	87 51	84 59	93 55	96 57	91 65	89 58	89.1 56.0
GRANO FORKS FAA AIRPORT	MAX MIN	85 60	95 58	96 61	88 62	90 54	99 62	93 61	86 50	90 60	82 53	82 51	91 45	99 58	101 54	89 55	96 62	88 64	71 52	78 45	83 50	86 55	86 57	86 57	90 63	85 56	85 54	81 62	94 60	95 58	93 70	91 63	88.6 57.2
GRANO FORKS UNIVERSITY	MAX MIN	85 62	95 58	95 63	87 62	88 55	97 61	92 65	86 53	93 64	80 53	79 53	89 45	98 57	99 57	88 55	95 62	89 69	69 53	78 46	82 50	84 53	84 56	84 54	89 62	83 54	84 55	78 64	94 60	95 59	93 61	89 59	87.8 57.4
GRANO RAPIOS 1 N	MAX MIN	89 60	94 62	95 59	91 57	88 55	95 60	91 61	85 53	91 68	81 50	82 41	90 45	95 58	100 48	92 39	91 59	90 63	73 48	75 49	81 53	83 48	83 53	85 49	94 59	87 50	85 52	80 61	95 60	97 53	95 69	90 63	68.5 55.8
GRANVILLE	MAX MIN	87 55	98 60	101 57	100 68	97 63	102 66	94 63	93 63	88 65	77 63	78 49	93 51	98 57	100 58	92 58	99 61	90 73	82 50	86 51	90 53	92 55	89 62	96 65	94 63	83 51	90 53	89 51	92 56	102 61	89 56	97 63	92.2 57.5
GRENORA	MAX MIN	87 52	91 56	95 59	95 58	97 58	93 66	87 63	92 56	87 65	73 43	79 46	88 49	94 57	97 52	95 58	99 58	85 57	76 48	86 48	91 54	82 56	91 54	100 56	95 54	90 46	85 51	86 51	93 52	98 62	89 54	93 54	89.6 54.1
HANKINSON R R STATION	MAX MIN	80 62	87 65	90 66	91 70	88 57	83 66	92 61	82 57	88 60	78 54	82 45	86 50	91 56	91 60	89 58	68 49	74 53	78 55	77 55	80 53	88 54	85 59	85 56	88 56	85 59	85 56	83 56	80 62	93 63	96 69	95 68	85.5 58.8
HANNAH	MAX MIN	81 48	92 55	95 53	88 60	93 53	98 61	89 52	89 44	87 60	75 40	73 49	85 47	95 54	92 52	84 45	96 54	95 45	79 45	80 39	85 48	89 53	83 46	88 54	87 61	83 48	84 51	85 52	89 53	94 60	84 50	91 50	87.4 51.2
HANSBORO	MAX MIN	83 56	94 57	97 56	89 57	94 53	98 60	89 54	90 43	98 60	75 46	72 53	90 45	97 53	93 61	89 46	97 53	90 69	86 44	82 51	88 53	87 52	86 46	90 55	88 53	87 47	84 54	86 55	92 52	87 58	93 64	88.8 52.7	
HETTINGER	MAX MIN	95 64	96 64	94 65	94 65	95 70	101 61	91 67	90 60	86 61	67 51	76 49	84 49	89 54	94 57	95 61	92 64	87 66	80 56	89 57	81 62	89 58	91 66	92 66	91 66	89 58	91 66	89 66	100 67	87 67	90 67	89.2 60.7	
HILLSBORO	MAX MIN	87 62	96 56	96 66	89 55	89 56	98 67	92 55	88 55	90 55	85 55	85 54	90 45	98 54	99 65	94 58	95 60	91 62	72 51	84 46	80 50	85 54	85 54	90 54	85 54	83 54	90 54	85 54	84 56	80 56	99 67	86 57	89.3 57.3
JAMESTOWN FAA AIRPORT	MAX MIN	87 60	95 61	95 63	89 62	90 58	96 61	85 65	90 52	88 60	78 49	79 50	89 45	95 56	98 61	93 58	93 57	85 63	74 55	75 51	85 53	85 52	82 56	85 52	91 56	90 55	84 55	78 61	93 55	98 66	92 68	92 68	88.0 57.2
JAMESTOWN STATE HOSP	MAX MIN	86 63	96 62	95 64	89 58	90 58	97 63	90 63	88 58	97 63	89 67	78 57	90 54	96 62	93 59	92 59	87 59	71 66	75 54	81 53	83 54	86 56	92 54	86 59	86 54	92 56	85 54	85 60	90 60	98 59	90 70	91 59	88.0 57.8
KEENE 2 S	MAX MIN	87 55	93 64	98 57	95 62	98 58	95 62	89 59	92 54	79 52	70 43	78 44	92 45	94 52	98 55	98 58	90 54	82 48	88 54	78 52	85 46	98 54	96 52	98 54	92 54	90 54	88 54	92 54	90 54	93 62	88 62	89.8 54.8	
KENMARE	MAX MIN	80 54	88 58	95 59	99 58	95 64	98 65	93 59	92 48	93 52	79 43	77 47	77 54	90 64	96 58	98 57	91 58	86 65	87 50	75 50	87 57	91 65	90 51	92 53	97 61	91 50	89 50	90 54	86 53	90 64	100 63	87 63	90.0 55.9
KENSAL WILDLIFE REFUGE	MAX MIN	86 56	95 57	96 59	96 59	92 55	100 55	92 55	90 55	85 55	46 51	50 49	42 55	59 59	59 56	56 56	57 57	65 55	71 43	81 48	81 48	84 50	84 50	84 50	84 50	84 50	84 50	92 49	96 51	96 59	91 54	88.6 54.6	
LANGOON EXP FARM	MAX MIN	82 47	91 56	94 57	92 55	90 54	97 59	94 55	86 45	90 59	78 41	75 47	86 44	95 52	96 50	90 48	94 52	91 62	82 50	81 48	88 52	88 52	87 47	87 50	88 54	83 48	85 53	84 56	92 54	94 58	89 61	91 54	88.5 51.5
LARIMORE	MAX MIN	84 59	94 57	96 62	94 63	89 55	99 66	91 66	89 57	99 64	71 66	79 54	91 64	98 64	99 64	90 57	96 56	91 64	70 51	78 51	83 52	85 51	85 51	91 62	85 56	84 56	79 61	94 56	95 55	94 58	90 58	88.9 56.9	
LEEDS	MAX MIN	85 63	94 66	97 66	93 60	93 62	101 74	93 65	89 55	88 64	77 49	77 44	90 42	98 48	97 52	90 53	95 62	91 57	85 48	82 54	87 56	85 58	86 48	91 58	86 54	95 48	91 58	88 59	96 60	103 65	95 64	94 52	93.1 57.1
LINTON	MAX MIN	92 63	98 66	100 66	96 60	94 62	104 74	100 65	95 55	92 64	79 49	85 44	90 42	95 48	100 52	101 53	95 62	89 57	80 48	90 54	89 56	86 48	91 51	98 46	95 48	91 58	88 59	88 59	96 60	103 65	95 64	94 52	93.1 57.1
LISBON	MAX MIN	87 60	92 60	95 70	94 60	89 61	93 62	93 61	90 55	88 63	79 54	84 52	91 41	95 61	97 65	96 58	91 56	90 67	82 55	77 52	80 52	82 52	81 58	83 54	89 55	89 55	85 62	81 55	95 62	98 69	98 69	93 69	88.9 57.7
LOSTWOOD 12 N	MAX MIN	85 49	93 51	96 51	94 54	94 52	93 56	87 55	90 40	88 56	79 54	76 47	88 47	94 54	95 52	91 56	96 62	84 44	88 46	88 46	89 45	96 54	96 54	96 54	96 54	96 54	96 54	96 54	96 54	96 54	96 54	96 54	90.2 50.8
MAOONCK AGRI SCHOOL	MAX MIN	85 54	94 59	97 60	93 59	95 60	102 61	94 60	92 52	89 62	80 47	77 47	90 41	97 47	97 55	90 55	99 59	90 60	81 48	84 48	91 50	84 51	90 52	87 54	88 54	85 54	85 54	85 54	92 58	98 65	92 65	97 51	90.6 55.3
MANOAN EXP STATION	MAX MIN	88 60	89 65	96 65	98 58	92 62	95 65	104 66	90 58	93 65	91 52	78 49	82 45	88 55	96 60	98 64	95 80	80 74	79 54	78 54	86 55	86 54	91 54	86 54	93 54	89 54	89 54	87 54	92 60	103 65	91 54	90.5 58.4	
MANOAN FT LINCOLN PARK	MAX MIN	89 60	98 65	100 65	100 65	95 62	105 62	95 62	95 62	95 62	86 52	66 45	78 46	86 54	98 61	98 61	88 65	88 55	90 54	88 54	88 54	96 54	96 54	96 54	96 54	96 54	96 54	96 54	96 54	96 54	96 54	96 54	90.7 55.9
MARMARTH	MAX MIN	88 56	92 65	96 56	102 67	100 57	99 59	95 61	89 50	95 60	80 46	66 44	78 44	86 50	92 55	96 60	99 59	96 59	87 51	84 484													

DAILY TEMPERATURES

DATA DAMPTA
AT 100

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Station		Day Of Month																															Year	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MUNICH 4 SW	MAX MIN	84 50	92 55	93 58	87 57	92 55	97 58	92 57	88 47	91 50	81 42	76 47	90 45	97 49	96 50	88 50	94 56	85 67	82 43	84 44	84 47	87 51	88 46	81 59	85 55	84 51	87 56	82 63	88 47	81 58	84 47	81 58	81 58	81 58
NAPOLEON	MAX MIN	91 61	98 66	98 60	95 57	93 61	101 67	98 65	95 54	89 67	83 47	82 49	89 47	95 55	100 57	97 64	85 65	7 69	7 53	7 53	86 51	89 46	85 50	91 50	95 63	92 48	81 67	81 61	73 58	103 67	91 51	74 58	74 58	74 58
NEW ENGLAND	MAX MIN	89 55	94 60	98 60	95 60	94 61	94 60	88 61	91 55	81 60	54 61	9 58	86 46	91 50	96 53	98 59	73 65	87 56	82 46	89 57	88 56	87 56	95 56	92 56	94 54	92 57	89 53	81 54	81 54	81 54	81 54	81 54	81 54	
NEW SALEM 1 SE	MAX MIN	89 58	95 63	99 60	93 65	97 63	105 65	90 65	93 57	92 70	79 51	87 48	89 54	96 61	99 60	97 58	94 64	86 68	79 57	81 53	7 54	88 62	88 58	92 58	94 55	92 58	89 53	81 57	81 57	81 57	81 57	81 57	81 57	
NEWTOWN	MAX MIN	86 57	91 59	96 59	93 63	95 62	93 62	88 59	88 49	87 55	74 46	77 45	85 45	92 61	94 53	93 63	95 68	89 65	86 52	80 52	86 59	85 65	88 57	96 61	95 63	95 56	90 55	81 53	81 53	81 53	81 53	81 53	81 53	
OAKES	MAX MIN	80 60	83 65	89 62	87 58	84 60	91 65	79 54	87 63	80 55	74 51	80 43	86 57	91 60	96 61	90 50	67 60	56 50	52 50	56 50	56 59	56 59	54 48	58 59	54 50	57 48	61 50	60 48	58 64	62 56	58 56	58 56	58 56	
PARK RIVER	MAX MIN	83 57	93 64	95 61	95 64	89 55	97 60	92 64	90 54	92 57	85 46	77 54	88 58	98 61	99 60	94 53	97 64	9 60	77 44	80 50	88 50	88 59	87 48	87 59	87 59	87 59	87 59	87 59	87 59	87 59	87 59	87 59	87 59	
PARSHALL	MAX MIN	89 54	92 55	98 54	96 54	96 60	96 60	90 56	91 41	89 56	82 46	80 42	83 44	94 46	98 46	94 46	76 60	92 60	88 46	83 50	88 50	87 59	91 48	94 59	94 59	88 48	88 50	88 50	88 50	88 50	88 50	88 50	88 50	
PEMBINA	MAX MIN	82 55	92 56	92 58	85 64	87 54	97 60	92 63	88 51	90 60	78 48	76 56	89 46	95 55	94 53	85 47	97 54	93 70	79 54	84 40	86 48	83 54	83 53	38 52	90 62	85 55	87 49	87 57	87 55	87 55	87 55	87 55	87 55	
PETERSBURG	MAX MIN	82 56	91 60	92 65	89 64	86 54	95 59	90 60	85 57	88 61	76 47	75 50	87 44	95 51	97 54	85 65	92 57	85 64	70 48	77 52	81 54	82 54	80 50	83 53	88 53	81 55	81 55	78 53	92 58	92 60	89 54	88 54	85 55	
PETTIBONE	MAX MIN	84 57	93 62	94 60	86 57	93 62	102 62	89 65	93 54	92 63	78 48	73 47	90 50	96 53	96 61	90 56	94 60	85 66	72 51	52 50	52 50	86 54	87 62	91 56	87 54	83 56	79 56	91 59	101 60	91 57	93 67	89 54	89 54	
PORTAL	MAX MIN	78 47	87 55	95 56	98 55	93 57	94 60	91 54	88 45	91 55	79 44	70 50	78 50	90 56	95 57	96 55	90 57	97 64	84 43	76 50	85 52	89 61	90 51	89 59	99 57	90 47	88 52	84 50	86 50	84 50	86 50	89 54	88 54	
POWERS LAKE 1 N	MAX MIN	80 51	82 54	92 50	100 55	93 55	98 59	95 49	91 41	93 56	80 39	72 37	80 49	90 50	96 58	98 58	92 60	94 63	90 48	88 52	88 60	92 58	97 51	94 50	90 50	87 44	92 58	94 50	87 44	92 58	94 50	89 54	89 54	
RAUB 10 SSW	MAX MIN	87 57	93 65	98 63	94 64	97 62	94 62	90 62	91 56	84 62	73 56	78 52	87 50	95 60	97 52	97 58	98 67	89 68	86 50	85 56	89 60	90 61	96 59	96 61	89 59	81 60	86 59	100 62	100 62	89 62	95 65	85 60	85 60	
RICHARDTON ABBEY	MAX MIN	88 59	90 61	95 62	93 67	96 65	96 64	91 61	88 60	86 62	74 54	80 50	86 54	91 57	96 61	99 63	94 63	88 65	83 53	86 57	84 55	89 59	94 59	91 56	90 57	85 59	87 59	87 60	89 60	99 65	92 65	93 65	89 60	
RIVERDALE	MAX MIN	84 57	88 61	92 61	97 61	91 62	93 62	95 62	90 53	90 60	86 50	75 49	88 58	94 58	96 58	90 58	96 63	85 71	87 50	75 48	89 51	87 58	87 58	85 64	92 60	89 54	87 60	89 54	86 60	91 70	101 57	90 57	89 53	
ROLLA	MAX MIN	82 55	93 61	93 63	90 63	92 56	95 61	88 61	85 54	86 62	75 48	71 48	88 46	94 53	92 63	84 54	95 57	86 71	79 48	80 57	85 60	87 57	83 54	89 62	88 54	83 55	83 54	84 58	90 68	93 63	83 63	86 57	86 57	
RUGBY	MAX MIN	85 54	98 64	100 61	97 64	92 62	94 64	94 64	92 52	87 65	78 48	78 47	90 46	98 54	97 58	94 58	95 60	92 60	87 72	87 56	82 48	86 55	90 56	86 54	90 56	86 55	87 55	85 60	92 55	95 61	92 65	94 54	90 57	
SAN HAVEN	MAX MIN	85 52	94 55	97 63	93 66	94 60	97 63	91 57	87 57	84 64	75 46	72 45	89 47	96 52	93 61	85 58	84 62	70 48	89 62	80 43	86 50	88 56	85 55	90 56	88 56	85 55	88 57	87 58	91 68	91 58	87 54	87 54		
SHARON	MAX MIN	80 58	91 60	91 65	89 62	88 55	94 62	88 63	85 54	86 60	80 49	76 41	87 42	93 50	95 55	86 61	91 61	85 67	68 51	75 45	82 50	83 53	83 53	84 61	90 56	83 55	85 56	73 56	92 56	94 54	91 57	89 56	89 56	
STANLEY	MAX MIN	87 54	93 57	98 57	94 57	98 58	98 58	93 58	85 47	85 61	76 44	78 37	89 53	94 59	98 55	93 59	86 58	89 66	80 48	83 52	89 53	88 62	91 60	97 53	92 61	90 55	89 52	87 55	91 53	99 63	87 56	94 55	90 55	
STEELE	MAX MIN	86 60	94 64	96 58	92 60	92 62	101 61	90 65	93 60	89 67	79 51	80 47	88 48	96 55	98 58	94 58	94 64	66 68	76 54	52 52	88 54	85 52	88 54	88 62	85 54	90 62	88 53	94 64	91 61	101 58	90 69	92 58	89 58	
TIOGA 1 E	MAX MIN	77 54	89 55	94 58	98 61	96 59	99 65	93 54	90 44	92 58	78 42	71 41	80 55	89 49	95 52	96 63	94 68	96 65	89 47	76 50	83 58	91 54	87 52	94 60	100 58	94 51	92 59	88 49	90 53	96 67	98 63	89 54	89 54	
TOWNER	MAX MIN	87 52	95 65	98 58	89 57	95 62	102 62	93 59	88 45	88 62	75 42	83 43	92 41	98 51	98 54	90 60	98 61	95 67	88 47	84 45	88 51	92 55	85 49	92 54	92 64	88 58	89 61	89 56	92 61	97 58	93 53	96 53	91 53	
TROTTERS 3 S	MAX MIN	87 55	92 60	98 63	97 64	96 62	91 61	84 59	93 56	83 58	66 51	80 50	86 51	93 57	96 60	99 63	99 61	88 63	79 49	84 55	90 60	84 56	92 60	98 56	88 61	93 58	93 58	89 59	92 62	98 63	92 57	89 57	89 57	
TURTLE LAKE	MAX MIN	86 56	95 61	99 62	95 62	96 61	103 66	92 63	93 57	90 70	79 50	77 49	90 52	97 52	97 52	99 52	94 52	83 50	84 51	80 51	89 58	87 58	88 53	92 65	90 53	86 53	86 61	94 53	102 58	94 57	93 56	91 56	91 56	
TUTTLE	MAX MIN	86 56	94 56	96 59	95 61	93 55	101 62	95 63	93 52	92 61	83 47	80 46	89 44	96 51	97 55	96 56	94 56	91 56	79 49	81 43	84 48	89 49	83 53	89 49	92 59	89 48	87 52	86						

DAILY TEMPERATURES

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	86	94	97	94	95	105	95	93	97	78	80	88	96	95	94	94	88	80	80	87	87	86	94	93	91	87	86	92	104	93	94	91.1
	MIN	56	61	62	65	60	61	70	52	48	52	57	64	57	64	67	49	53	58	51	55	53	61	57	58	59	58	62	70	50	58.1		
WISHEK	MAX	84	84	94	95	89	90	96	84	92	87	76	82	82	93	97	94	90	86	78	75	84	86	82	85	93	92	85	84	92	99	93	87.8
	MIN	58	60					64	68	60	45	43	43	59	54	60	62	55	49	53	52	56	43	59	45	53	60	54	51	63	54	54.7	

EVAPORATION AND WIND

Station		Day of month																															Total or Avg.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DEVILS LAKE WB CITY	EVAP WIND	.28 32	.27 34	.27 22	.31 38	.26 35	.33 59	.33 51	.28 25	.28 46	.21 27	.24 63	.27 39	.31 51	.38 54	.29 37	.37 54	.21 55	.17 32	.14 23	.26 25	.26 36	.14 30	.27 24	.31 52	.19 15	.19 26	.18 36	.25 30	.23 29	.16 39	8.13 1148	
DICKINSON EXP STATION	EVAP	.21	.44	.39	.30	.41	.29	-	.15	.40	.39	.11	*	*	.85	.30	.50	.45	.20	.45	.21	.35	.25	.20	.45	.40	.49	-	.27	.46	.37	.21	B10.16
	WIND	80	70	80	60	75	55	90	60	70	110	55	65	40	10	70	100	175	55	120	80	100	90	85	95	70	60	50	60	50	125	5	2310
	MAX	85	90	88	91	90	91	88	85	85	79	58	80	84	88	88	87	85	86	80	87	87	79	83	84	82	84	71	83	85	82	71	83.4
	MIN	59	58	58	59	50	58	58	55	57	50	46	50	52	54	53	57	60	54	54	55	53	55	56	52	53	56	58	44	57	57	54.8	
EDGELEY EXP FARM	EVAP WIND	.41 35	.25 32	.31 38	.53 69	.43 80	.27 52	.44 110	.36 58	.32 51	.19 47	.19 48	.32 53	.31 61	.42 61	.45 42	.39 68	.43 78	.50 80	.20 58	.20 24	.30 37	.17 75	.23 41	.27 36	.40 71	.20 54	.20 24	.10 54	.36 24	.31 42	.21 75	9.67 1678
MANDAN EXP STATION (A)	EVAP	.19	.20	.29	.29	.30	.35	.43	.22	.26	.40	.17	.26	.24	.23	.28	.28	.35	.17	.22	.20	.24	.24	.21	.30	.32	.22	.13	.20	.24	.27	.25	7.95
	WIND	59	65	67	47	66	134	132	53	69	133	72	80	44	46	64	131	193	95	85	112	91	101	59	111	106	51	91	67	51	109	114	2698
RIVERDALE	EVAP	.29	.30	.39	.43	.36	.38	.44	.40	.41	.34	.21	.38	.40	.34	.40	.49	.47	.42	.37	.31	.28	.31	.28	.38	.33	.25	.28	.32	.30	.32	.28	10.86
	WIND	57	42	73	80	118	91	127	77	91	110	93	122	69	58	82	204	177	96	94	106	100	136	88	160	88	74	94	80	53	87	72	2999
	MAX	83	88	90	90	85	89	87	85	86	86	70	75	70	83	88	84	83	79	79	75	83	80	83	84	82	72	78	81	84	87	81	82.3
	MIN	59	59	62	63	60	60	61	55	64	57	52	50	55	56	57	60	60	54	54	67	57	57	56	56	62	55	57	55	56	57	57.7	
WILLISTON EXP FARM	EVAP	.28	.43	.49	.41	.45	.45	.47	.45	.42	.20	.38	.34	.51	.32	.37	.55	.41	.27	.20	.40	.57	.38	.46	-	.49	.63	.54	.45	.87	.56	.51	B13.50
	WIND	3	40	34	11	6	55	46	18	88	56	64	42	41	5	49	41	40	58	8	10	86	37	33	76	13	30	*	84	39	23	39	1175
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; 1N GROUND 20 INCHES.

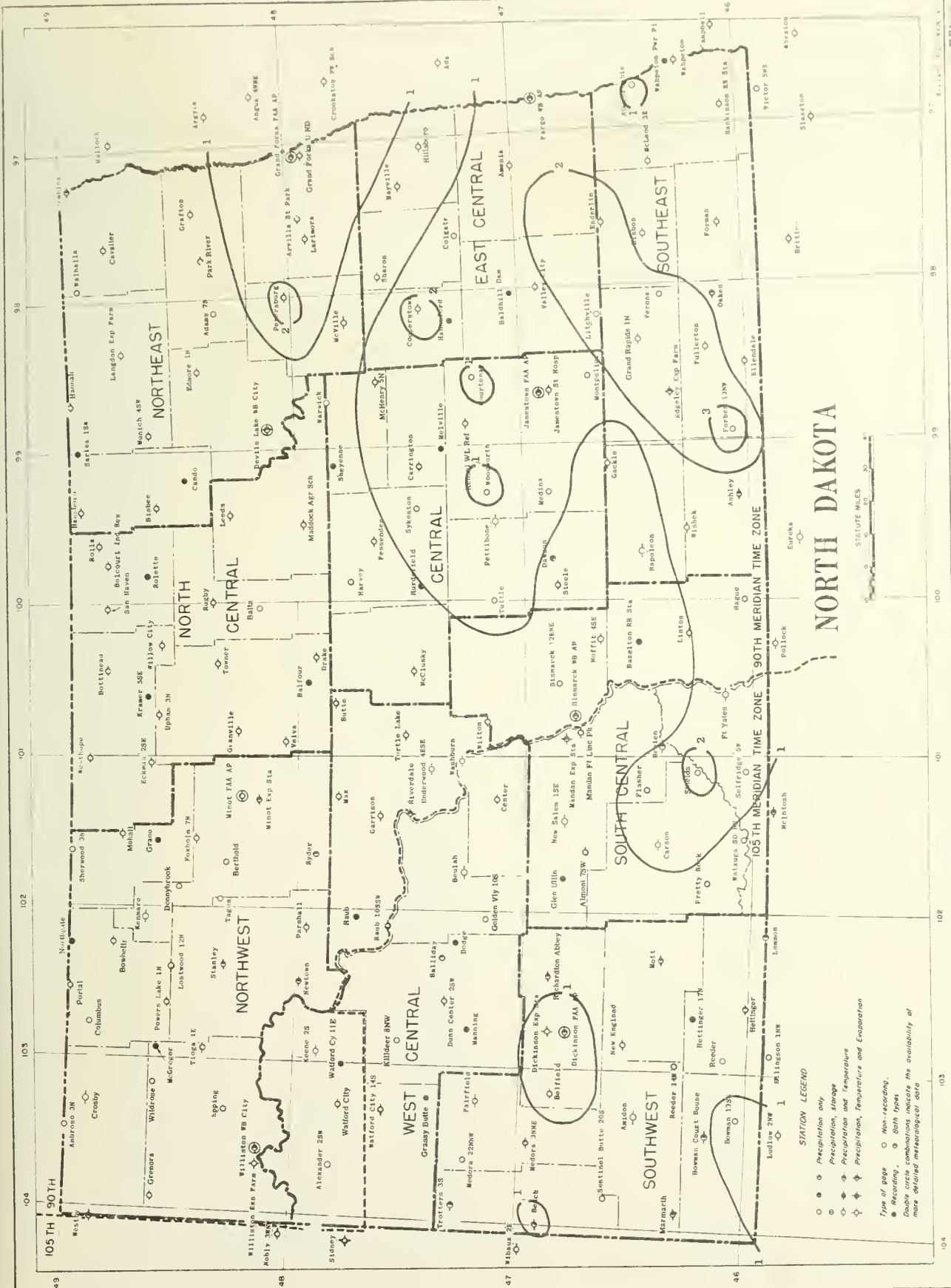
Much of the data presented in this publication comes from observations taken by volunteer cooperative observers. These observations are mailed after the close of the month to a Weather Records Processing Center, where they are placed on punch cards and checked for accuracy and completeness. These cards are used to prepare copy for the various tables. Printing and mailing is done at the National Weather Records Center at Asheville, North Carolina.

The various steps all take time. Records for any state cannot be checked by machine until nearly all of them for that state have been received. Printing cannot be done until all the tables for an issue are completed and assembled.

Constant effort is made to speed up publication and still maintain high quality of the data. A realistic deadline for mailing the printed Climatological Data has been set as the 15th of the second following month (45 days after the end of the month for which data are published). If any recipient's copy is unduly delayed, the Director, National Weather Records Center, Asheville, North Carolina should be advised.

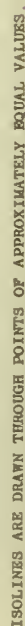
TOTAL PRECIPITATION

AUGUST 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AUGUST 1961



MEETING DATES: 1998

1 DRAINAGE CODE: 1 CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMBINA 10. RED 11. SHEYENNE 12. SOURIS 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C. S. T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Monthly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---9-29-61---825





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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

SEPTEMBER 1961

Volume 70 No. 9



ASHEVILLE: 1961

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NORTH DAKOTA - SEPTEMBER 1961

WEATHER SUMMARY

September ranked as one of the coldest and wettest Septembers on record at many stations and temporarily, at least, ended the drought. The snowfall in the northwestern portion of the state on the second was the heaviest snowfall on record for so early in the season. Most sections of the state reported the first heavy frost of the season during the last week of the month.

Alfred A. Skrede
Weather Bureau State Climatologist
Weather Bureau Airport Station
Bismarck, North Dakota

MONTHLY EXTREMES

Highest Temperature: 95° on the 1st at Four Stations

Lowest Temperature: 13° on the 30th at Medora 3 NNE

Greatest Total Precipitation: 6.22 inches at Hillsboro

Least Total Precipitation: 1.62 inches at Donnybrook

Greatest one-day Precipitation: 2.31 inches on the 10th at Oakes

Greatest Total Snowfall: 1.5 inches at Two Stations

SUPPLEMENTAL DATA

NORTH DAKOTA
SEPTEMBER 1961

Station	Wind direction		Wind speed		Wind direction		Relative humidity averages percent				Number of days with precipitation							
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total	Percent of possible sunshine
BISMARCK WB AIRPORT	WNW	13	11.4	57	W	2	77	82	58	54	5	8	6	2	0	0	19	52
DEVILS LAKE WB CITY	W	-	8.7	32	NE	10	-	86	61	65	5	4	5	4	1	0	19	46
FARGO WB AIRPORT	SSE	16	12.8	56	N	10	84	90	66	63	7	3	7	2	1	0	20	54
WILLISTON WB CITY	W	-	6.9	26	NW	2	-	87	64	55	2	8	4	2	0	0	16	52

CLIMATOLOGICAL DATA

Station	Temperature										Precipitation																
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days						
										90° or Below	80° or Below	70° or Below	35° or Below					Total	Departure From Long Term Means	Greatest Day	Date	Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More
NORTHWEST DIVISION																											
BOWBELLS	61.1M	38.9M	50.0M		94	1	22	30	461	1	0	7	0	2.98		.75	19	.0	0			9	1	0			
CROSBY	65.0	37.8	51.4	- 3.6	89	1	18	30	411	0	0	9	0	2.48	1.39	1.01	8	.0	0			5	2	1			
FOXHOLM 7 N	65.8	39.3	52.6	- 4.3	95	1	20	28	379	1	0	6	0	2.13	.89	.40	10	.0	0			8	0	0			
GRENORA	64.3	37.6	51.0		90	1	14	30	423	1	0	6	0	3.29	1.49	.49	2	.0	0			6	2	1			
KENMARE	65.2	39.3	51.3		95	1	23	30	424	1	0	6	0	2.95	1.59	.52	8	.0	0			7	2	0			
LOSTWOOD 12 N	65.2	35.4	50.3		86	1	14	30	442	0	0	12	0	3.84	.81	.19	9	T	0			7	4	0			
MINOT FAA AIRPORT	62.9	41.4	52.2		83	16	28	30+	389	0	0	4	0	2.98	.43	.21	T	0	0			9	0	0			
MINOT EXP STATION	//	63.4	41.1	52.3		91	1	28	30+	394	1	0	5	0	3.17	.69	20	.0	0			10	2	0			
MOHALL	63.4	39.1	51.3	- 5.1	93	1	24	28	422	1	0	9	0	2.40	.98	.48	8	.0	0			9	0	0			
NEWTOWN	64.6	39.6	52.1	- 4.0	85	16	22	30	385	0	0	4	0	2.02	.80	.36	12	.0	0			7	0	0			
PARSHALL	65.8	37.8	51.8		84	16	25	30	391	0	0	8	0	2.51	1.07	.43	10	.0	0			9	0	0			
PORTAL	62.6	37.8	50.2	- 4.9	94	1	20	30	450	1	0	8	0	3.15	1.91	1.01	8	.0	0			6	3	1			
POWERS LAKE 1 N	62.4M	37.3M	49.9M		92	1	24	30	459	1	0	11	0	3.19	1.11	.2	T	.0	0			8	2	1			
STANLEY	63.2	38.4	50.8		84	16	23	30	424	0	0	6	0	2.82		.64	10	T	0			8	1	0			
TIOGA 1 E	62.2	38.4	50.3		93	1	15	30	451	1	0	7	0	2.60		.56	3	.0	0			9	1	0			
WILLISTON WB CITY	//R	62.5	41.2	51.9	- 5.3	83	17+	22	30	396	0	0	3	0	2.49	1.28	.90	2	1.5	0			6	2	0		
WILLISTON EXP FARM		63.6	39.3	51.5		88	1	17	30	413	0	0	7	0	2.49	.63	.2	T	0			8	2	0			
DIVISION			51.2	- 4.8											2.79	1.51				.1							
NORTH CENTRAL DIVISION																											
BELCOURT INDIAN RES	62.9	37.1	50.0		84	1	18	28	449	0	0	12	0	3.57		.91	22	.0	0			8	2	0			
BOTTINEAU	63.7	39.4	51.6	- 4.2	95	1	22	28	413	1	0	9	0	3.77	2.39	.76	22	.0	0			10	4	0			
DRAKE	64.0M	39.9M	52.0M	- 4.9	94	1	27	28	403	1	0	6	0	4.46	3.05	.58	10	.0	0			12	2	0			
GRANVILLE	65.4	40.9	53.2	- 4.2	84	18	27	28	357	0	0	3	0	4.32	3.09	1.12	8	.0	0			10	2	1			
LEEDS	63.2M	41.0M	52.1M		28	28	377	0	0	4	0					.0	0										
MADDOCK AGRI SCHOOL	65.0	39.9	52.5	- 5.0	85	18	24	28	379	0	0	6	0	4.08	2.61	.77	20	.0	0			14	3	0			
ROLLA	63.2	39.4	51.3		84	18	24	28	412	0	0	6	0	3.52		.94	20	.0	0			8	2	0			
RUGBY	65.9	41.0	53.5		86	1	26	28	348	0	0	6	0	4.57	3.26	.93	22	.0	0			8	4	0			
SAN HAVEN	63.2	40.3	51.8	- 3.8	84	1	23	28	399	0	0	6	0	3.58	2.19	.70	20	.0	0			8	3	0			
TOWNER	65.9	39.4	52.7	- 1.6	87	18	25	28	373	0	0	6	0	4.12	2.70	1.09	8	.0	0			2	1				
UPHAM 3 N	66.4	39.0	52.7		89	1	23	28	372	0	0	6	0	3.43		.75	22	.0	0			10	3	0			
VELVA	65.8	40.0	52.9	- 4.7	84	18+	24	28	363	0	0	4	0	3.30	1.97	.52	20	.0	0			11	1	0			
WESTHOPE	63.1	39.5	51.3	- 5.0	83	1	27	28	411	0	0	6	0	2.62		.52	21+	.0	0			9	2	0			
WILLOW CITY	65.2	38.8	52.0	- 3.7	84	1	20	28	387	0	0	6	0	3.41	2.15	.73	22	.0	0			9	3	0			
DIVISION			52.1	- 4.0											3.75	2.36				.0							
NORTHEAST DIVISION																											
ARVILLA STATE PARK	66.4	M	M		92	1	20	28		1	0		0	4.28		1.15	19	.0	0			8	3	1			
BISBEE	64.0	41.1	52.6		82	1	24	28	376	0	0	5	0	5.18		1.04	22	.0	0			10	4	1			
CAVALIER	66.1	43.0	54.6		87	1	19	28	321	0	0	4	0	3.90		.91	10	.0	0			9	3	0			
DEVILS LAKE WB CITY	63.2	42.1	52.7	- 3.6	84	18	25	30	378	0	0	3	0	5.00	2.93	1.08	21	.0	0			10	5	1			
EDMORE 1 N	64.5	40.2	52.4		82	18+	23	28	382	0	0	5	0	5.95		1.71	8	.0	0			8	4	2			
GRAFTON	67.7	43.1	55.4	- 2.7	89	1	23	28	302	0	0	6	0	3.89	1.84	1.63	8	.0	0			9	1	1			
GRAND FORKS FAA AIRPORT	66.4	45.7	56.1		90	8	28	28	289	1	0	3	0	3.22		.85	19	.0	0			6	3	0			
GRAND FORKS UNIVERSITY	65.5	45.0	55.3	- 2.1	89	8	26	28	304	0	0	1	0	4.35	2.62	1.40	10	.0	0			10	3	1			
HANNAH	66.0M	38.6M	52.3M		85	18	22	28	382	0	0			4.44	2.53	1.02	22	.0	0			8	3	1			
HANSBORO 3 W	65.3	37.9	51.6	- 3.4	86	1	20	28	404	0	0	8	0	3.18	1.81	.97	22	.0	0			8	2	0			
LANGDON EXP FARM	64.8	37.9	51.4	- 4.1	87	1	20	28	412	0	0	7	0	4.28	2.23	.86	22	.0	0			8	4	0			
LARIMORE	68.1	43.2	55.7	- 2.1	94	1	23	28	301	1	0	4	0	3.69	1.96	.75	10	.0	0			9	2	0			
MC VILLE	66.1	41.3	53.7		86	18+	21	28	351	0	0	6	0	4.94		1.92	21	.0	0			10	2	1			
MUNICH & SW	64.2	39.4	51.8		82	18+	23	28	397	0	0	5	0	4.67		1.25	22	.0	0			12	3	1			
PARK RIVER	68.1	44.4	56.3	- 0.9	90	1	24	28	277	1	0	4	0	3.61	1.48	1.20	8	.0	0			9	1	1			
PEMBINA	67.6	42.2	54.9		89	1	21	28	306	0	0	4	0	3.43	.98	.86	10	.0	0			5	4	0			
PETERSBURG	64.0	41.7M	52.9M		84	8	22	28	366	0	0	5	0	3.52	1.74	.66	10	.0	0			13	1	0			
DIVISION			53.7	- 2.6											4.21	2.29				.0							
WEST CENTRAL DIVISION																											
BEULAH	66.8	40.9	53.9		86	18+	27	28	338	0	0	5	0	2.08		.53	2	.0	0			6	1	0			
BUTTE	62.6M	40.6M	51.6M		95	1	28	30+	421	1	0	5	0	3.59		.55	11	.0	0			10	1	0			
CENTER	65.1	39.1	52.1		87	18	26	28	386	0	0	5	0	3.24		.67	9	.0	0			10	2	0			
DUNN CENTER 2 SW	63.7	39.1	51.4	- 4.0	90	2+	24	30	417	2	0	5	0	2.54	1.30	.48	13	T	0			10	0	0			
GARRISON	62.6	41.3	52.0	- 5.4	91	1	25	30	399	1	0	4	0	2.96	1.69	.51	20	.0	0			9	1	0			
KEENE 2 S	61.0	36.6	48.8		86	16	15	30	487	0	0	8	0	2.59		.58	10	T	0			7	1	0			
MAX	63.3	40.0	51.7	- 4.4	93	1	25	30	407	1	0	6	0	3.86	2.56	.71	20	.0	0			11	2	0			
RAUB 10 SSW	64.5	42.0	53.3		85	18	28	30	357	0	0	1	0			.0	0										
RIVERDALE	//	64.8	41.2	53.0		93	1	28	30+	371	1	0	3	0	4.24	.84	20	.0	0			11	3	0			

See reference notes following Station Index.
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CLIMATOLOGICAL DATA

NORTH DAKOTA
SEPTEMBER 1961

CONTINUED

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max.		Min.							Total	Max. Depth on Ground	Date	1.0 or More	.50 or More	1.00 or More
										90° or Above	80° or Above	70° or Above	60° or Above	50° or Above										
TURTLE LAKE	66.0	40.9	53.5		84	18	26	28	349	0	0	5	0	3.44		.64	10	.0	0		10	2	0	
UNDERWOOD 4 ESE	64.6	40.6	52.6		83	18	27	30	374	0	0	5	0	2.70		.48	10	.0	0		8	0	0	
WASHBURN	66.3	41.2	53.8	- 5.4	83	18+	28	30	342	0	0	4	0	4.82	3.50	.80	10	.0	0		12	3	0	
WATFORD CITY	64.9	38.8	51.9	- 6.1	87	16	19	30	396	0	0	4	0	2.77	1.52	.94	10	.0	0		6	1	0	
WATFORD CITY 14 S	66.9M	38.8M	52.9M		90	16	18	30	368	1	0	6	0	2.60		.77	10	.0	0		8	1	0	
WILTON	65.5	40.4	53.0		84	18	27	30+	365	0	0	5	0	3.37		.78	19	.0	0		2	0	0	
OIVISION			52.4	- 4.7										3.20	1.84			T						
CENTRAL OIVISION																								
CARRINGTON	65.8	41.0	53.4	- 3.0	91	1	24	28	368	1	0	4	0	3.64	2.18	.97	20	.0	0		8	3	0	
FESSENDEN	67.3	40.8M	54.1M	- 3.4	86	8	25	28	341	0	0	4	0	4.05	2.58	.90	10	.0	0		11	2	0	
FARGO WB AIRPORT	//R	67.3	41.7	53.3		87	8	25	28	369	0	0	5	0	4.34		1.21	10	T	0		6	3	2
JAMESTOWN STATE HOSP		65.8	43.1	54.5	- 4.0	87	8	25	28	336	0	0	3	0	4.56	3.24	1.70	10	.0	0		7	3	1
KENSAL WILDLIFE REFUGE		68.7	42.7	55.7	- 5.7	88	9	23	28	298	0	0	3	0	3.66		.73	10	.0	0		8	3	0
MC CLUSKY		66.1	38.5	52.3	- 4.0	85	18	25	28	380	0	0	9	0	3.35	1.87	.65	10	.0	0		10	3	0
MC HENRY 5 N		65.4	40.0	52.7		88	8	21	28	380	0	0	8	0	3.29		.81	10	.0	0		8	2	0
PETTIBONE		67.0	41.5	54.3	- 3.6	88	8	27	28	332	0	0	3	0	3.78	2.14	1.23	10	.0	0		9	2	1
STEELE		68.5	42.5	55.5	- 2.6	89	18	27	28	309	0	0	2	0	3.95	2.24	.87	10	.0	0		11	3	0
TUTTLE		67.3	39.3	53.3		91	1	21	28	366	1	0	9	0	4.27		1.26	10	.0	0		10	3	1
OIVISION			53.9	- 3.5										3.89	2.32			T						
EAST CENTRAL OIVISION																								
AMENIA	69.2	44.6	56.9		89	8+	26	28	270	0	0	3	0	5.11	1.89	2.14	10	.0	0		8	4	1	
COOPERSTOWN	67.2	43.4	55.3		87	8	24	28	309	0	0	3	0	3.64	1.89	1.10	10	.0	0		8	2	1	
FARGO WB AIRPORT	//R	67.3	44.7	56.0	- 2.9	91	1	24	28	301	1	0	3	0	4.44	2.72	1.48	9	.0	0		10	3	1
HILLSBORO	68.3	44.3	56.3	- 2.5	91	1	24	28	289	1	0	1	0	6.22	4.34	2.30	10	.0	0		7	4	2	
MAYVILLE	64.4	44.7	54.6	- 5.0	86	9+	26	28	334	0	0	1	0	5.02	3.28	1.55	10	.0	0		6	5	1	
SHARON	65.0	42.4	53.7	- 3.4	86	8	24	28	352	0	0	3	0	4.64	2.81	1.33	10	.0	0		9	3	1	
VALLEY CITY	66.5	42.6	54.6	- 4.5	87	1	21	28	332	0	0	4	0	4.04	2.54	1.29	19	.0	0		6	3	2	
OIVISION			55.3	- 3.2										4.73	3.06			.0						
SOUTHWEST OIVISION																								
AMIDON	64.0M	40.3M	52.2M		90	1	13	30	460	0	0	7	0	3.69		.90	10	.0	0		9	2	0	
BEACH	61.9	38.0	50.0		85	18+	19	30	434	0	0	9	0	2.92		.45	11	T	0		8	0	0	
BELEFIELD	62.7	38.2	50.5		86	16	20	30	421	0	0	7	0	2.68		.66	12	.0	0		8	2	0	
BOWMAN COURT HOUSE	62.7M	39.3M	51.0M	- 9.4	86	16	20	30	421	0	0	7	0	2.95		.98	12	.0	0		8	2	0	
OICKINSON FAA AIRPORT	//R	63.0	38.6	50.8		84	18	20	30	425	0	0	7	0	4.19	1.92	1.61	10	T	0		9	2	1
OICKINSON EXP STATION		63.5	38.9	51.2	- 5.2	93	1	19	30	420	1	0	7	0	3.05	1.92	.53	2	.0	0		9	1	0
FAIRFIELD	63.7	39.0	51.4		86	18+	19	30	414	0	0	5	0	2.26		.48	12	T	0		8	0	0	
HETTINGER	65.0	39.4M	52.2M	- 6.9	87	7	21	30	410	0	0	7	0	2.98	1.85	1.08	12	.0	0		6	2	1	
MARMARTH	63.9	39.2	51.6	- 6.7	93	1	19	30	414	1	0	7	0	3.17	2.17	1.03	12	.0	0		9	1	1	
MEODRA 3 NNE	67.7	33.4	50.6		89	18+	13	30	433	0	0	13	0	2.87		.65	19	.0	0		8	3	0	
MOTT	65.7	36.7	51.2	- 7.7	86	18	19	30	414	0	0	11	0	2.80	1.53	.80	12	.0	0		6	2	0	
NEW ENGLAND	64.6	39.4	52.0	- 6.7	86	18	27	24	394	0	0	7	0	3.23	2.08	.79	12	.0	0		6	3	0	
RICHARDSON ABBEY	65.0	40.5	52.8	- 5.9	85	18	22	30	376	0	0	4	0	3.27	2.13	.69	19	T	0		8	3	0	
TROTTERS 3 S	63.9	38.8	51.4		86	18	19	30	414	0	0	7	0	2.46	1.30	.87	10	1.5	0		5	2	0	
OIVISION			51.4	- 6.7										3.04	1.86			.1						
SOUTH CENTRAL OIVISION																								
ALMONT 7 SW	65.6	42.1	53.9		87	18	27	30	351	0	0	3	0	2.86		.75	12	T	0		8	2	0	
BISMARCK WB AIRPORT	//R	64.5	40.2	52.4	- 6.1	86	18	26	28	385	0	0	4	0	2.81	1.38	.73	19	T	0		8	2	0
BREIEN	69.3M	40.9M	55.1M		90	18	24	28	323	1	0	6	0	3.63		.89	12	.0	0		6	3	0	
CARSON	66.8	40.4	53.6	- 5.4	92	1	23	30	360	1	0	7	0	3.80	2.46	.94	10	.0	0		11	2	0	
FORT YATES	68.3	42.8	55.6	- 4.8	93	1	28	30	323	1	0	2	0	4.06	2.88	1.23	20	.0	0		9	3	1	
LINTON	69.4	41.3	55.4	- 4.9	90	1	24	28	317	1	0	8	0	3.71	2.28	1.12	12	.0	0		8	2	1	
MANOAN EXP STATION	65.7	42.0	53.9	- 5.0	94	1	26	28	358	1	0	4	0	3.95	2.61	.66	10	.0	0		10	3	0	
MANOAN FT LINCOLN PARK	69.3	42.3	55.8		92	1	27	28	297	1	0	2	0	3.68		.82	10	.0	0		11	2	0	
MOFFIT 4 SE	68.7M	41.4M	55.1M		91	18+	26	28	325	2	0	3	0	3.85		.75	19+	.0	0		11	3	0	
NEW SALEM 1 SE	65.5	41.5	53.5	- 5.4	88	18	28	28	357	0	0	4	0	3.23	1.93	.90	10	.0	0		9	2	0	
OIVISION			54.4	- 5.0										3.56	2.20			T						
SOUTHEAST OIVISION																								
ASHLEY	66.5	40.7	53.6	- 4.6	90	8	27	28+	359	1	0	5	0	4.47	3.24	1.11	19	T	0		9	3	1	
EDGELEY EXP FARM	66.7	43.3	55.0	- 3.8	88	9+	27	28	325	0	0	3	0	3.65	2.22	1.01	20	.0	0		9	3	1	
ELLENDALE	68.2	45.5	56.9	- 2.9	89	8+	32	28	289	0	0	1	0	5.16	3.80	1.89	10	.0	0		9	3	2	
ENDERLIN	67.8	42.6	55.2		90	8+	25	28	327	2	0	3	0	4.84		2.15	10	T	0		6	3	2	
FORMAN	68.3	45.1	56.7		90	8	27	28	295	1	0	2	0	3.91	2.49	1.19	10	.0	0		9	3	1	
FULLERTON	68.4	43.2	55.8	- 3.8	90	8	26	28	312	1	0	4	0	4.08	2.72	1.28	19	.0	0		7	3	2	
GACKLE	65.7	42.6	54.2		89	8	26	28	340	0	0	2	0	4.32		1.53	10	.0	0		6	3	1	
GRAND RAPIDS 1 N	69.2	44.2M	56.																					

NORTH DAKOTA
SEPTEMBER 1901

See reference notes following Station Index
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DAILY PRECIPITATION

Continued

NORTH DAKOTA
SEPTEMBER 1961

SEPTEMBER 1961																																	
Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
POWERS LAKE 1 N	3.19		1.11	T					.29	T	.50	.10	.06	.34	.08		.03			.28	.16	T	.15	.02				.07	T				
PRETTY ROCK	3.09		.19			.09			.04	T	.50	T	1.33	.03						.25	.04	.37	.25					T					
RAUB 10 SSW	-		-						.16	.09	.58		.30	.30					T		.38	.32	.15	.05	.07			.21					
REEDER	3.29		.36		.14				T		.26	.07	1.15	.12							.79		.34	.06									
REEDER 14 N	3.10		.73			.10			T		.35	.09	.48	.50	.06						.40	.15		.21	.03								
RICHAROTON ABBEY	3.27		.68			T	T		T	T	.32	.26	.64	.22				T	T	.69	.18	.24	T				.04	T					
RIVERDALE	4.24		.74	.32	.13		.01		T		.09	.51	.02	.28	.13					.38	.84		.40	T	.15		.04	.20	T				
ROLLA	3.52		.04	.34				T	.35	.07	.14		.18	.06					.02	T	.25	.94	.26	.72	.02	.05		.08					
RUGBY	4.57		.09	.32		.01			.70	.01	.61		.09	.13					T	.41	.70	.07	.93	.38	.05		.06	.01					
RYGER	3.29		.49		.03			.07			.74		.38	.23					T	.43	.44	*	.27	.07		.14							
SAN HAVEN	3.58		.48			.01		.01	.50	.01	.35	T	.03	.06				.03	T	.25	.70	.07	.65	.03	.22		.18						
SELFRIEDE 5 W	3.66		.20			.50			.30		.15	.09	1.45							.83		.14											
SENTINEL BUTTE 20 S	3.24		.23								1.07	.29	.73	.07	T					.45	.08	.27	T				.05						
SHARON	4.64		.12		.18			.27			1.33	.62	.33	.01				.01		.85	.45	.30	.05	T			.01	.09		.02			
SHERWOOD 3 N	2.33		.43	.01				.03	.50		.18		.05	.12				.05	.22	.11	.35	.08	.15	.05									
SHIELDS	4.34					.39			.15		.73		1.15	.09						.46	.30	.21	.83					.03					
STANLEY	2.82		.37					.02	T	.05	.64	T	.22	.27					.09	.28	.32	.15	.34				.07	T					
STEELE	3.95		.11	.12		.36	.02				.87	T	.51	.21	T				T	T	.47	.72	.06	.11	.24		.10	.05					
SYKESTON	3.93		.18	.16				.10			.40	.68	.14	.50	.06					T	.32	.92	T		.38			.09					
TAGUS	2.05		.25								.45		.20	.22					T	.35	.12	.05	.04	.25	T	.12							
TIOGA 1 E	2.60		.19	.56					.22	.01	.41	.34	.05	.22	.07				T		.22	.18	.02				.11						
TONNER	4.12		.48								.30		.18	.20						.17	.37	.98	*	.18			.17						
TROTTERS 3 S	2.46		.02	.69			T	T	1.09	T	.87	.01	.32	.05	T			.02		.29	.12	.04				.02	T						
TURTLE LAKE	3.44		.23	.30							.64	.01	.32	.16	T				.02		.32	.60	.29	.04	.24	.03	.02	T					
TUTTLE	4.27		.36	.16		.31	T				1.26	T	.37	.10					T		.54	.73	.10	.01	.20	.04	.09						
UNDERWOOD 4 ESE	2.70		.33			.02					.48	.01	.30	.24					T		.22	.46	.26	.02	.31		.05						
UPHAM 3 N	3.43		.01	.56				.19	T		.35		.05	.16					T		.30	.55	.11	.75	.11	.22	.07						
VALLEY CITY	4.04		T			.48		.03	.15		1.07		.56		.02	.02		.02	.01	1.29	T	.35	.03	.01		T							
VELVA	3.30		.15	.32							.42		.32	.26						.43	.52	.23	.17	.26	.09		.13						
VERONA	5.00						.56			1.06	.85		.55	.06							1.48	.12					.32	T	T				
WAMPETON	3.06		.06			.20	.04				.95	.97		.17						*	*	.47					.20						
WALHALLA	4.32	T	.24			T		.59	T		.75	.14	.15	.14						.18	.68	.10	1.01	.08	.26	T							
WARWICK	3.92		.21	.20				.07	T		.59	.09	.19	.28						.48	.61	.38	.13	T	.50		.16	.03					
WASHBURN	4.82		.38	.45	T		.25			.08	.80	.21	.60	.25						.45	.52	.35	.28				.20						
WATAUGA 5 OAKOTA 8 N	4.43		.08			.24		.08			1.23		1.28							.32		.32		.88									
WATFORD CITY	2.77	T	.40				.01				.94	T	.42	.12						.37	.40		.03				.08						
WATFORD CITY 14 S	2.60		.40						.04		.77		.39	.18					T		.32	.22		.13			.10						
WESTHOPE	2.62	T	.21			.02	T	.52	.05		.29	.29	.24	.08				.11		.20	.23	.52	.10	T		T	.05		.03	.02			
WILOROSE	2.42		.65					.13		.43	.20	.11	.22							.30	.10		.09				.11	.03		.05			
WILLISTON WB CITY	2.49	T	.90				T	.01	.17	.08	.58		.23	.12				.04	.07	.03	.14		.02				.08						
WILLISTON EXP FARM	2.49		.63					.20	.01		.61		.39	.18	T			.04	T	.18	.15		T				.10						
WILLOW CITY	3.41		.03	.37	.01			T	.50	.02	.38		.07	.17						.19	.57	.17	.73	.05	.05	T	.10						
WILTON	3.37		.32	.35		.06			.06		.76	*	*	.42						.78	.21	.27	T	.08			.04						
WISHEK	3.46		.10			.10	.32	.10		T	.42	.10	.14	.80	.11					.10	1.00						.02						
WOODWORTH	3.34		.05	.10		.31					.65		.55	.21						.52	.59				.11	.18	.07						

DAILY TEMPERATURES

NORTH DAKOTA
SEPTEMBER 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	83	72	68	81	68	74	81	74	82	69	52	47	44	59	68	82	83	87	70	68	56	53	53	53	62	62	48	65	59	46	65.6	
	MIN	59	44	35	45	50	45	50	54	58	46	34	39	38	36	38	45	56	56	46	42	42	37	37	32	35	37	34	32	34	27	42.1	
AMENIA	MAX	89	80	77	77	72	75	74	89	87	78	56	54	48	63	73	76	75	82	79	62	65	62	62	60	67	67	59	56	65	48	69.2	
	MIN	60	54	47	34	51	52	53	57	60	49	39	44	40	42	45	39	48	51	59	48	45	42	32	35	32	41	34	26	45	33	44.6	
AMIDON	MAX	84	83			73	69		80	75	74	48	46	42	47	53	67	84	83				55	50	55		59	49		67	64.0		
	MIN	64	47	33	47	52	47	52	52	52	45	37	35	36	32	35	40	55	42	37	39	35	37	27			28	30	38	35	19	40.3	
ARVILLA STATE PARK	MAX	92	83	68	82	76	77	83	76	77	62	56	50	49	61	69	76	72	82	74	65	62	55	48	58	62	62	52	56	64	44	66.4	
	MIN										41			38	39	36	36	51	48	46	45	41	39	29	40	35	39		20	42	31		
ASHLEY	MAX	85	68	68	77	66	78	80	90	80	68	57	48	45	61	71	78	76	86	75	67	56	57	59	55	65	66	46	66	40	66.5		
	MIN	60	43	36	38	49	49	53	57	57	46	33	40	36	33	33	41	51	48	48	43	40	37	31	33	29	38	27	27	36	29	40.7	
BEACH	MAX	90	80	53	67	73	64	69	78	70	75	48	44	41	45	60	68	87	85	85	40	65	50	54	47	54	63	50	51	65	36	61.9	
	MIN	57	47	33	40	41	43	45	48	49	46	36	38	36	31	30	34	49	51	40	38	40	32	32	26	30	38	28	29	36	18	38.0	
BELCOURT INDIAN RES	MAX	84	77	61	78	72	72	75	67	69	64	53	50	50	62	72	77	76	81	73	55	55	47	49	54	65	61	46	53	54	36	62.9	
	MIN	58	48	31	35	44	40	31	50	42	44	29	39	38	38	37	32	52	43	43	40	40	32	26	30	31	32	29	18	34	26	37.1	
BELFIELD	MAX	80	69	70	76	68	63	77	76	76	65	46	41	45	59	67	85	80	85	61	65	51	54	52	52	55	53	49	64	52	46	62.7	
	MIN	59	36	33	36	43	45	47	51	50	45	38	38	37	31	30	38	49	48	40	36	39	33	34	27	34	37	30	31	31	19	38.2	
BEULAH	MAX	82	75	68	80	72	70	82	74	68	71	53	46	48	63	74	86	81	86	76	70	63	55	57	57	69	58	50	65	58	47	66.8	
	MIN	60	41	34	46	44	43	44	54	55	49	32	41	40	34	32	42	50	48	46	44	43	35	36	30	39	37	34	27	36	30	40.9	
BISBEE	MAX	82	77	64	80	70	75	79	70	68	69	55	51	50	63	72	80	78	75	70	60	55	50	50	58	67	57	48	54	54	38	64.0	
	MIN	61	57	35	44	44	48	44	55	50	45	32	43	40	39	40	39	46	47	46	43	42	35	35	32	37	38	30	24	30	30	41.1	
BISMARCK WB AIRPORT	MAX	84	65	67	82	60	77	80	79	85	58	54	45	46	60	70	82	78	86	61	64	51	55	54	55	70	60	46	64	54	44	64.5	
	MIN	60	44	38	42	51	44	50	55	50	43	33	40	38	35	33	39	48	48	46	44	40	35	35	31	34	34	27	26	33	30	40.2	
BOTTINEAU	MAX	95	81	62	64	79	63	73	77	69	72	50	56	49	54	64	73	80	78	81	50	60	57	50	55	55	67	51	45	56	45	63.7	
	MIN	57	55	32	40	47	47	47	54	61	48	30	38	39	36	38	41	46	50	49	41	42	32	31	29	33	32	30	22	35	28	39.4	
BOWBELLS	MAX	94	79	55	68	75		73	72	59	73	52	51	47	53	65			84	76	46	68	47	50	52	57	65	53	43	59	35	61.1	
	MIN	62	55	32	44	41		39	48	47	48	33	40	39	36	37			42	45	42	42	31	34	29	37	37	29	26	32	22	38.9	
BOWMAN COURT HOUSE	MAX	81	56	65	75	56	76	82	77	78	44	39		49	57	70	86	80	83			65	49	53	53	53	64	56	51	68	43	46	62.7
	MIN	48	34		50	42		52	55	48	42	36	35	30	35	42		52	40		35	32	35	28	33	39	29	32	40		39.3		
BREIEN	MAX	87	81				89	83	83	88	81	54	51	48	62	73	85	80	90	81	67	59	52	51	56	70	62	48	69	65	55	69.3	
	MIN	59	46			47		54	61	52	48	33	41	40	34	30	40	47	46	50	44	41	37	30	32	29	34	35	24	40	31	40.9	
BUTTE	MAX	95		56	68	82	62	74	77	72	70	50	53	45	48	63	72	82				80	58	64	54	52	51	69	49	42	62	50	62.6
	MIN	62	56	36	41	42	46	40	52	48	47	31	37	39	39	40	45	49				48	42	44	34	35	31	34	37	33	28	40.6	
CARRINGTON	MAX	91	82	67	66	82	58	76	76	88	81	58	55	45	48	62	71	78	74	84	60	63	62	53	59	56	67	55	40	60	56	65.8	
	MIN	56	58	39	41	46	51	47	47	57	56	35	35	38	39	39	38	39	48	49	44	39	38	32	33	35	38	33	24	26	30	41.0	
CARSON	MAX	92	85	64	69	84	58	75	84	79	84	56	56	54	55	60	70	82	83	85	50	67	49	54	53	55	70	65	47	66	54	66.8	
	MIN	57	50	31	46	50	43	51	52	51	52	33	35	35	30	34	43	48	54	50	39	44	31	37	28	36	36	28	34	30	23	40.4	
CAVALIER	MAX	87	78	67	85	82	76	79	74	67	64	58	55	53	65	75	77	72	80	75	51	60	54	51	59	67	54	57	53	65	44	66.1	
	MIN	68	57	41	39	45	53	47	54	56	47	35	43	41	38	45	39	57	49	45	45	45	40	40	29	37	34	30	19	43	31	43.0	
CENTER	MAX	81	70	68	80	72	80	76	78	67	58	48	48	46	60	40	85	75	87	77	65	58	55	56	55	69	60	48	62	58	42	65.1	
	MIN	55	40	33	42	40	45	48	48	47	40	39	40	38	34	30	42	42	47	46	38	42	33	41	31	35	35	31	26	35	29	39.1	
COOPERSTOWN	MAX	85	75	67	78	76	75	76	87	81	78	50	50	47	63	73	76	73	82	80	66	66	55	62	57	66	63	50	55	60	43	67.2	
	MIN	62	58	37	40	51	51	52	57	56	48	34	40	39	39	40	43	52	50	53	45	43	40	33	36	34	40	31	24	42	31	43.4	
CROSBY	MAX	89	77	67	73	72	73	74	64	74	68	56	51	57	66	70	82	84	69	59	68	64	52	52	65	64	57	46	60	49	47	65.0	
	MIN	55	32	32	45	39	45	43	38	48	46																						

DAILY TEMPERATURES

NORTH DAKOTA
SEPTEMBER 1961

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX MIN	91 58	80 54	61 35	69 36	70 42	66 47	69 51	71 51	67 49	58 42	53 34	52 40	43 39	50 41	63 45	71 45	78 50	80 55	82 47	49 42	64 45	50 33	51 35	54 30	55 36	66 66	62 33	45 28	63 28	46 25	62.6 41.3	
GRAFTON	MAX MIN	89 64	83 57	66 40	86 55	76 30	83 51	76 40	87 58	76 51	63 44	57 38	53 44	52 41	64 40	73 42	76 51	74 48	80 51	77 44	56 46	61 46	57 49	58 38	58 42	66 39	64 45	52 30	55 28	66 42	50 31	67.7 43.1	
GRANO FORKS FAA AIRPORT	MAX MIN	87 63	69 45	64 41	80 40	66 55	75 54	79 50	90 61	76 62	64 49	58 40	51 44	51 45	66 42	75 46	77 43	72 56	83 54	72 52	61 49	62 49	55 38	62 42	59 35	67 39	61 45	47 30	57 28	65 42	42 31	66.4 45.7	
GRANO FORKS UNIVERSITY	MAX MIN	86 60	72 56	66 41	81 40	64 44	72 54	77 51	89 53	61 61	63 50	57 39	49 45	45 45	67 41	73 43	76 43	73 53	81 52	62 52	57 46	63 48	56 43	61 34	58 43	61 36	61 44	52 34	55 26	66 42	42 33	65.5 45.0	
GRANO RAPIOS 1 N	MAX MIN	86 60	80 52	68 59	73 40	68 37	77 51	89 50	83 57	75 60	59 50	55 35	54 43	56 40	64 40	73 40	85 75	75 54	85 55	77 49	62 55	62 49	62 42	59 31	68 32	65 39	52 35	63 29	64 25	52 33	69.2 44.2		
GRANVILLE	MAX MIN	83 59	74 40	68 36	81 43	69 45	76 51	78 38	69 54	71 49	63 47	55 33	52 43	51 41	64 37	74 42	83 40	79 50	84 50	70 45	67 43	57 40	51 34	55 34	58 31	70 39	55 39	47 33	62 27	54 34	42 30	65.4 40.9	
GRENORA	MAX MIN	90 52	73 33	68 31	72 47	74 40	71 44	71 41	59 45	77 47	68 39	59 36	49 38	55 35	65 35	70 35	80 42	83 41	69 40	60 43	58 44	50 35	53 35	57 27	63 38	58 35	47 30	63 29	58 28	43 14	64.3 37.6		
HANKINSON R R STATION	MAX MIN	88 73	88 62	84 44	65 40	73 47	70 51	74 52	83 55	86 62	88 62	75 42	57 43	52 41	48 40	62 41	70 43	84 44	85 54	70 58	58 52	58 48	65 45	55 34	58 34	65 32	67 33	53 41	58 29	63 29	69.2 45.5		
HANNAH	MAX MIN	80 57	75 49	62 34	80 40	72 41	73 44	76 33	68 50	69 46	65 45	55 29	52 40	52 38	73 33	74 38	74 48	85 46	78 43			54 36	50 27	56 32	62 32	57 27	55 21	53 22	53 25	66.0 38.6			
HANSBORO	MAX MIN	86 59	78 58	63 33	80 42	72 41	74 41	77 37	70 48	71 42	67 43	54 29	51 40	53 37	69 42	73 42	82 37	78 47	84 45	73 42	56 38	52 38	52 39	48 33	55 27	63 32	67 34	61 27	58 20	36 32	65.3 37.9		
HETTINGER	MAX MIN	83 56	63 40	65 33	77 44	63 48	73 43	87 56	82 56	80 56	66 45	48 38	44 35	46 32	56 29	65 34	83 44	85 56	85 54	64 41	67 37	52 40	54 32	53 28	55 34	66 39	56 29	55 34	67 29	47 32	65.0 39.4		
HILLSBORO	MAX MIN	91 61	86 49	72 39	69 36	63 52	75 53	76 50	89 58	82 60	76 49	56 39	55 44	48 40	64 42	72 42	76 39	75 51	82 55	79 57	63 47	66 46	60 42	61 33	58 36	67 42	65 34	55 42	65 24	48 43	68.3 44.3		
JAMESTOWN FAA AIRPORT	MAX MIN	85 60	67 42	66 38	78 35	60 50	76 53	75 54	87 60	85 58	59 46	55 37	47 38	47 39	63 39	70 43	74 41	70 52	82 49	70 46	57 45	61 40	58 34	68 32	60 35	68 32	60 38	43 29	61 25	37 35	64.8 41.7		
JAMESTOWN STATE HOSP	MAX MIN	85 61	74 45	66 39	80 38	66 52	75 52	69 53	87 61	84 58	68 48	55 36	48 38	47 38	62 39	71 42	75 40	71 53	83 50	73 54	59 45	65 41	56 40	62 32	57 35	68 34	60 39	46 26	61 25	60 39	65.8 43.1		
KEENE 2 S	MAX MIN	80 58	68 31	66 30	59 44	69 41	73 42	67 45	67 47	73 44	67 46	51 36	46 33	46 33	67 39	71 43	86 44	84 52	83 43	58 36	64 38	54 40	52 32	51 35	56 25	63 36	52 37	48 26	42 24	35 29	61.0 36.6		
KENMARE	MAX MIN	95 62	80 56	60 33	68 50	75 39	67 40	73 37	75 39	60 48	73 45	52 33	55 38	45 39	51 37	65 40	74 43	84 44	80 48	78 45	68 42	48 42	52 32	53 34	56 30	65 37	54 28	45 27	60 31	37 23	63.2 39.3		
KENSAL WILDLIFE REFUGE	MAX MIN	87 60	84 51	68 35	83 37	80 49	77 52	77 53	86 58	88 50	81 56	58 35	52 41	45 38	65 39	73 41	72 72	78 49	86 86	76 52	60 45	65 40	56 39	61 32	58 35	68 36	60 43	49 23	60 40	47 32	68.7 42.7		
LANGOON EXP FARM	MAX MIN	87 59	79 50	67 33	83 39	69 41	75 47	77 35	75 49	70 47	68 46	55 27	50 39	51 37	65 35	74 33	75 40	76 46	82 48	75 46	54 40	58 35	52 28	47 31	56 30	63 48	60 32	54 24	59 20	40 37	64.8 37.9		
LARIMORE	MAX MIN	94 64	89 54	66 39	82 40	75 52	76 49	78 48	89 55	77 52	77 46	56 35	55 41	49 40	65 40	73 45	77 42	73 50	81 48	76 48	56 45	68 42	55 41	60 31	58 40	66 38	63 43	55 23	63 43	43 31	68.1 43.2		
LEEOS	MAX MIN		65 36	80 48	73 48	75 48	78 50	76 38	69 54	69 52	55 47	49 32	49 43	60 40	63 40	70 40	79 44	72 50	80 48	75 47	59 44	57 41	52 35	51 38	55 38	67 35	62 35	47 32	56 28	49 38	39 30	63.2 41.0	
LINTON	MAX MIN	90 65	78 49	71 33	82 51	75 40	81 50	81 53	89 60	86 55	76 48	57 33	51 42	47 37	63 31	72 30	83 43	75 52	88 48	80 50	65 44	55 42	56 37	63 32	57 33	68 32	66 34	48 21	61 34	50 31	69.4 41.3		
LISBON	MAX MIN	86 60	85 57	69 40	75 37	69 51	76 53	78 49	89 60	89 62	80 52	58 39	57 46	47 40	62 40	73 40	77 37	77 53	85 53	81 60	62 50	63 43	57 43	61 32	59 40	68 33	65 40	59 36	67 28	56 45	69.9 45.1		
LOSTWOOD 12 N	MAX MIN	86 56	76 32	65 29	72 44	68 35	70 45	72 42	66 46	73 42	64 42	54 25	52 37	50 35	63 32	70 35	82 39	81 52	78 44	68 39	70 40	58 66	49 27	50 30	68 24	66 34	55 29	49 21	57 28	50 14	65.2 35.4		
MAOOCK AGRI SCHOOL	MAX MIN	82 61	79 41	66 36	74 41	66 48	75 50	78 40	80 51	69 51	67 45	55 32	51 41	51 39	65 40	70 39	81 40	74 46	85 46	74 46	67 42	62 38	51 34	51 31	56 31	67 34	61 32	47 24	56 36	51 28	39 28	65.0 39.9	
MANOAN EXP STATION	MAX MIN	94 62	82 57	65 38	68 40	81 51	55 46	77 40	80 50	78 55	83 55	59 30	54 38	45 39	47 35	62 35	71 41	83 46	77 46	86 46	53 42	65 38	52 35	54 31	52 33	55 34	70 37	59 34	47 26	65 31	51 30	65.7 42.0	
MANOAN FT LINCOLN PARK	MAX MIN	92 62	82 43	70 38	84 41	81 50	78 47	78 52	82 59	85 53	76 48	56 36	50 40	47 39	63 36	71 36	83 40	82 52	86 50	80 45	66 45	59 43	55 36	52 37	58 33	71 35	66 38	50 27	65 39	64 30	47 28	69.3 42.4	
MARMARTH	MAX MIN	93 59	84 49	66 34	68 39	78 47	64 42	72 48	83 53	75 49	75 49	50 44	45 38	41 36	48 28	60 27	72 36	79 50	81 48	85 41	64 35	66 42	55 32	50 26	55 32	65 32	59 35	54 26	70 34	42 19	63.9 39.2		
MAX	MAX MIN	93 87	80 55	62 34	67 44	79 45	61 48	73 43	77 51	67 47	77 51	61 32	53 41	42 39	47 33	61 40	70 42	81 48	78 49	81 46	48 46	65 42	50 32	51 29	52 34	55 35	67 38	51 27	45 34	60 24	45		

Continued

DAILY TEMPERATURES

NORTH DAKOTA
SEPTEMBER 1961

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MUNICH 4 SW	MAX	82	79	63	82	70	75	78	70	70	68	54	50	50	65	75	77	82	75	54	54	50	48	55	64	62	55	52	55	37	64.2			
	MIN	59	52	34	42	45	45	38	52	48	44	29	40	38	37	35	38	47	46	46	46	38	34	31	34	33	35	27	23	37	28	39.4		
NAPLEDON	MAX	85	77	67	82	72	78	79	89	83	73	55	49	45	60	71	82	77	90	78	64	58	54	62	54	66	63	46	66	58	46	67.6		
	MIN	60	44	37	40	48	49	52	62	56	47	33	40	37	35	37	43	53	48	51	45	43	37	34	35	35	34	32	28	44	29	42.3		
NEW ENGLAND	MAX	81	74	58	77	69	70	80	77	77	68	46	43	48	59	69	85	82	86	68	67	55	54	51	55	65	56	49	65	55	48	64.6		
	MIN	60	42	32	40	51	40	49	53	52	45	38	37	37	31	31	38	51	48	42	38	40	34	34	27	35	36	31	29	33	29	39.4		
NEW SALEM 1 SE	MAX	81	70	68	81	68	75	80	73	80	65	53	45	46	61	70	83	84	88	72	65	55	54	55	54	69	59	48	63	55	45	65.5		
	MIN	61	40	34	47	50	47	51	54	52	45	34	38	38	34	39	41	53	53	45	42	41	34	38	30	38	41	32	28	35	29	41.5		
NEWTOWN	MAX	77	77	67	75	73	72	74	72	70	64	51	50	47	61	69	85	82	81	78	67	55	53	52	55	65	60	48	59	57	42	64.6		
	MIN	60	36	35	45	45	48	38	50	47	38	33	41	40	36	37	45	49	46	45	42	43	34	38	31	37	37	32	26	33	22	39.6		
DAKES	MAX	89	84	78	65	74	59	75	81	87	80	63	57	49	48	61	71	77	78	84	64	53	57	56	60	56	67	66	42	63	63	66.9		
	MIN	60	64	40	33	41	52	54	58	62	60	39	40	40	40	38	41	46	55	57	49	43	42	32	35	30	35	33	25	30	34	43.6		
PARK RIVER	MAX	90	83	68	85	80	76	83	78	75	72	57	53	51	65	74	78	77	81	78	56	62	57	55	57	67	65	52	55	64	49	68.1		
	MIN	63	58	40	46	49	54	46	54	57	47	37	44	41	42	44	43	50	53	49	45	43	41	32	39	40	43	31	24	44	32	44.4		
PARSHALL	MAX	78	76	67	78	74	74	77	77	72	68	53	49	48	60	70	84	82	82	72	67	65	53	53	55	66	60	50	62	61	42	65.8		
	MIN	55	36	31	44	37	47	34	48	42	45	31	41	44	34	31	39	45	46	43	42	41	33	33	31	34	34	31	26	31	25	37.8		
PEMBINA	MAX	89	76	66	85	79	75	80	74	70	64	60	55	53	68	72	78	75	85	78	55	60	54	50	60	69	65	54	58	72	50	67.6		
	MIN	62	56	40	40	46	53	41	53	57	45	33	42	40	36	40	41	52	50	50	42	46	39	29	38	34	38	29	21	43	31	42.2		
PETERSBURG	MAX	82	75	60	81	72	72	74	84	76	68	54	48	47	62	71	74	73	79	71	55	60	52	60	55	63	59	46	52	58	38	64.0		
	MIN	61	52	36	40	50	51	45	54	56	45	31	40	39	38	39	40	51	51	47	43	40	38	30	55	34	40	29	22	38	29	41.7		
PETTIBONE	MAX	83	78	66	83	74	77	73	88	82	75	53	50	53	60	70	79	73	84	75	62	65	54	60	55	66	61	57	56	58	40	67.0		
	MIN	62	42	35	38	49	51	56	53	54	48	33	39	37	37	34	43	50	47	54	44	41	37	34	31	35	35	37	27	33	29	41.5		
PORTAL	MAX	94	80	55	68	74	67	73	73	60	75	52	55	46	52	65	72	84	83	76	46	66	47	52	54	57	63	53	44	58	34	62.6		
	MIN	59	52	32	35	39	43	39	45	46	45	33	40	38	35	35	40	42	48	43	41	42	30	32	28	36	33	28	25	29	20	37.8		
POWERS LAKE 1 N	MAX	92	78	64	68	76	64	74	72	72	72	53	53	43	50	54			80	83	75	45	65	48	51	50	51	65	53	45	58	55	62.4	
	MIN	59	59	32	30	45	46	35	48	45	43	30	38	38	31	30			45	46	42	40	40	30	34	25	34	33	26	25	30	24	37.3	
RAUB 10 SSW	MAX	81	73	67	76	61	73	80	74	77	62	51	46	46	61	70	84	81	85	70	67	50	55	50	56	68	59	49	61	58	44	64.5		
	MIN	50	39	35	46	48	49	48	51	52	46	35	40	39	37	43			47	55	56	45	43	41	38	35	33	33	34	28		42.0		
RICHARDTON ABBEY	MAX	81	75	67	77	71	69	78	74	75	71	50	43	43	59	69	82	79	85	74	66	59	53	55	54	66	59	48	62	59	46	65.0		
	MIN	60	39	35	45	49	43	51	52	54	45	37	38	37	33	36			42	57	56	43	39	34	35	35	35	28	35	40	31	33	22	40.5
RIVERDALE	MAX	93	85	64	67	79	66	70	80	70	72	57	52	43	47	61	69	82	79	82	62	66	57	52	53	56	68	56	47	62	47	64.8		
	MIN	63	48	44	41	44	47	44	52	48	42	33	38	39	39	38			42	48	52	47	42	43	39	36	33	36	40	33	28	30	28	41.2
ROLLA	MAX	80	72	65	82	79	72	76	65	69	59	54	48	51	63	74	79	77	84	72	55	53	48	52	55	66	52	49	54	55	37	63.2		
	MIN	60	40	30	35	42	46	40	51	48	43	34	41	40	40	42			41	50	53	43	42	38	35	32	33	32	39	25	24	35	28	39.4
RUGBY	MAX	86	80	65	80	77	74	78	73	70	68	54	54	53	64	72	80	80	83	75	62	60	52	50	57	68	60	50	58	55	40	65.9		
	MIN	61	49	37	46	48	49	40	54	50	48	32	43	40	36	37			44	48	45	47	40	42	36	39	30	36	37	32	26	30	29	41.0
SAN HAVEN	MAX	84	75	61	77	70	77	75	65	68	64	56	51	53	62	72	79	75	82	73	55	57	47	48	55	66	59	48	54	50	38	63.2		
	MIN	60	42	35	43	48	47	45	51	48	45	32	43	39	38	40			43	50	49	44	42	42	35	31	31	33	36	30	23	35	29	40.3
SHARON	MAX	85	77	60	79	72	72	75	86	81	70	55	52	46	62	71	74	70	80	74	54	64	52	59	55	64	61	45	54	60	40	65.0		
	MIN	62	48	34	40	50	51	52	55	57	45	34	38	38	39	40			43	52	50	49	44	40	33	38	41	30	24	40	30	42.4		
STANLEY	MAX	79	75	67	75	66	72	75	73	74	64	52	48	49	61	70	84	81	74	65	61	61	51	52	55	64	56	46	57	45	43	63.2		
	MIN	60	35	30	47	42	49	35	49	44	45	33	40	39	35	36			40	50	45	42	40	40	34	35	30	35	36	29	25	30	23	38.4
STEELE	MAX	88	81	66	81	75	76	78	87	85	81	55																						

NORTH DAKOTA
SEPTEMBER 1961

Continued

EVAPORATION AND WIND

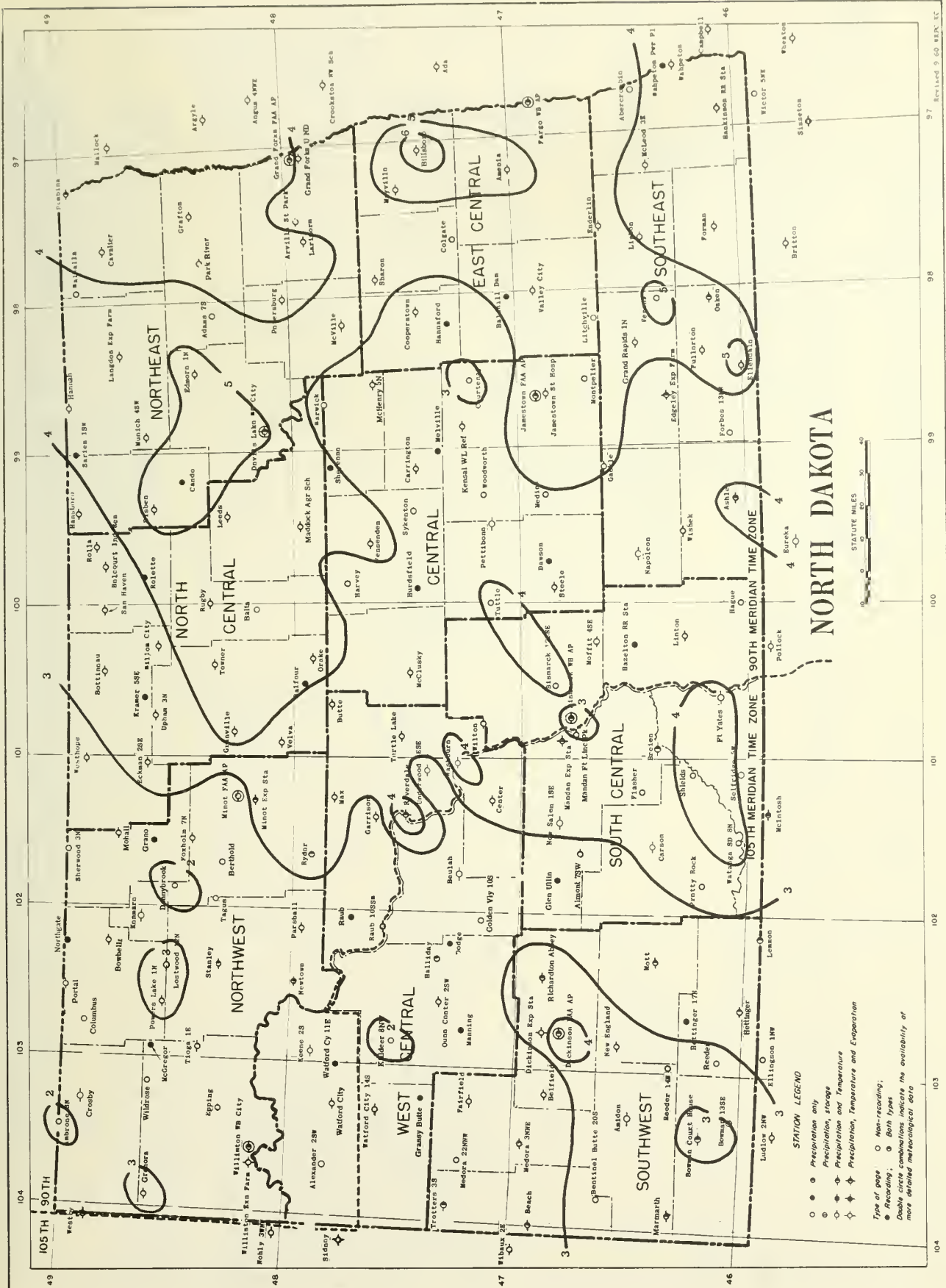
MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.
(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.

[illegible]

See reference notes following Station Index.

TOTAL PRECIPITATION

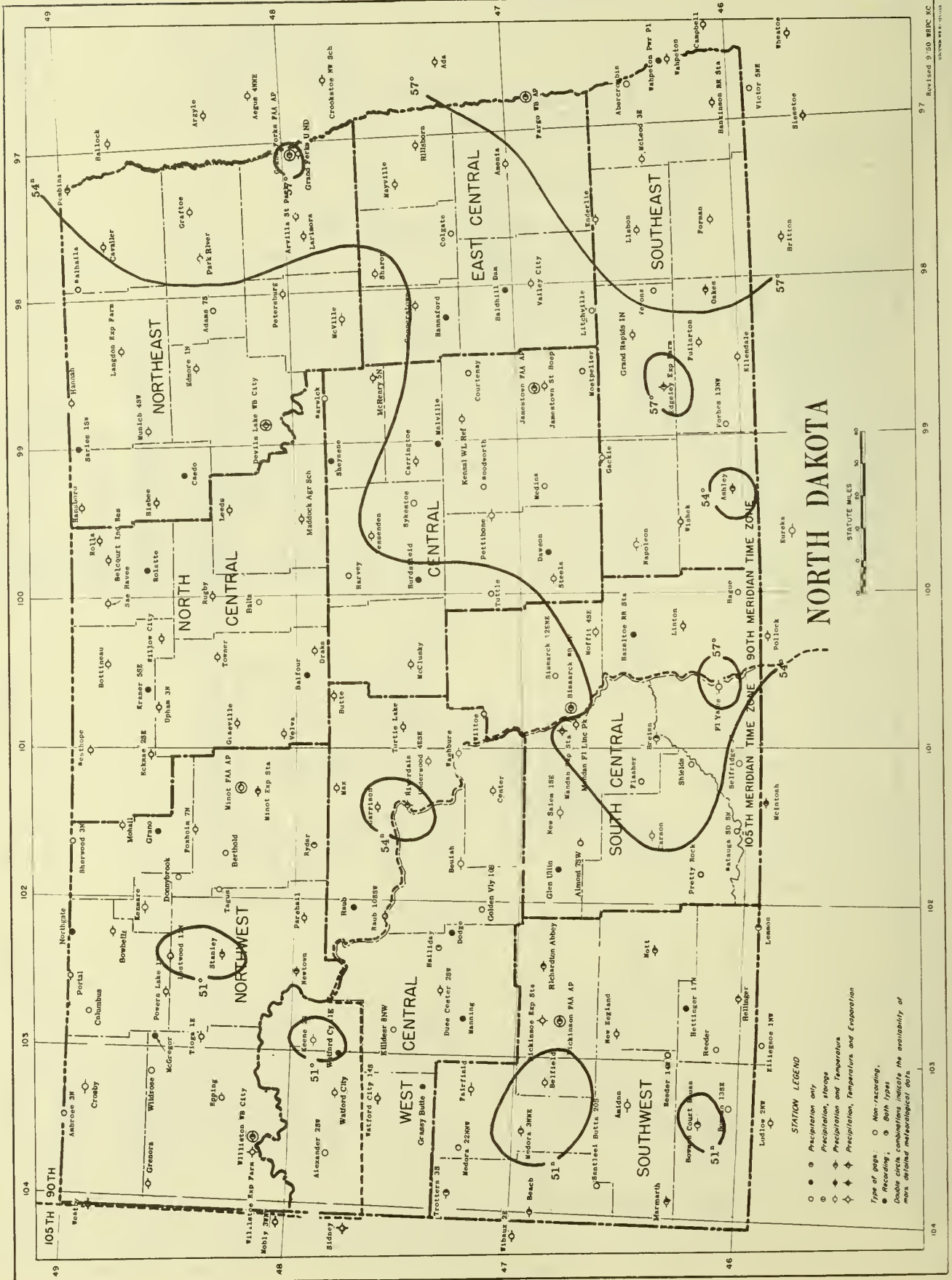
SEPTEMBER 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

SEPTEMBER 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES.

STATION INDEX

MONTH DATE/74
SEPTEMBER 1991

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES	OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES	OBSERVER		
ARACROBITE	0005	RICHMOND	10 44 27	94 45	995	8A	H	HELMER AMUNDSEN	PETITBONE	7047	KIDDER	8 47 07	99 31	1855	7P	TP	H	ARTHUR J. DEKEY	
ADAMS 1 S	0022	WALSH	10 48 30	98 06	1554	6P	H	MYRON J. BATA	PORTAL	7201	BURKE	12 49 00	102 15	1954	9A	9A	H	U S CUSTOMS OFFICE	
ALLENHOFER 2 SW	0098	MCKENZIE	13 47 50	103 40	2170	6P	H	WILLIAM LANZ	POWERS LAKE 1 N	7281	BURKE	8 48 44	103 18	2705	8A	8A	H	HEPPELT J. CLARK	
ALMONT 7 SW	0136	MORTON	6 46 43	101 19	2022	7P	7A	H	MOHAN RAMSAND	PRETTY ROCK	7311	GRANT	1 44 10	101 51	2480	6P	6P	C	FREDA LEER
ANDROSSE 1 N	0189	DIVIDE	12 49 40	105 28	2027	5P	5P	U S BORDER STATION	RAUB 5 NNE	7405	MCLEAN	8 47 48	102 02	1975	6P	6P	C	CLARK V. HENDRICKSON	
ANEMIA	0194	CASS	11 47 00	97 15	940	5S	5S	H	VIRGIL L. GEREKE	RAUR 10 SSW	7408	MCLEAN	8 47 36	102 08	1958	6P	6P	H	LYLE P. HOLMAN
ANSON	0209	SLOPE	1 44 29	103 19	2910	8A	8A	FRED FLEENER	REEDER	7450	ADAMS	3 48 08	102 57	2810	6P	6P	H	A. V. KITTLESON	
ARVILLA STATE PARK	0367	GRAND FORKS	10 47 56	97 10	980	8P	8P	VERNON C. THOREN	REEDER 14 N	7452	SLOPE	1 44 19	102 57	2784	8A	8A	C	CHAS. M. HETZINGER	
ASHLEY	0482	MCINTOSH	8 46 02	99 22	2021	5S	5S	500 LINE AGENT	REEDER 14 N	7530	STARR	4 46 53	102 19	2470	5P	5P	C	ASSUMPTION ARREY	
BALDWIN DAM	0450	KARNES	11 47 02	98 02	1300	6P	6P	U S CORPS OF ENGINEERS	RIVERDALE	7585	MCLEAN	8 47 30	101 21	1950	8A	8A	C	U S CORPS OF ENGINEERS	
BALFOUR	0492	MCNARY	12 47 57	100 32	1815	6P	6P	C	MILTON LUCHSINGER	ROLETTE	7655	ROLETTE	12 48 40	99 50	1650	6P	6P	C	HENRY JOHNSON
BALTA	0500	PIERCE	11 48 10	100 02	1550	6P	6P	ANTON SCHMALZ	ROLLA	7664	ROLETTE	12 48 40	99 57	1619	7P	7P	C	FRANK HORNSTEIN	
BEACH	0590	GOLDEN VALLEY	7 46 55	104 01	2824	8A	8A	H	LUTHER P. HODGINS	ROLLA	7704	PIERCE	12 48 40	100 00	1640	6P	6P	C	STANLEY DOWLING
BELOCOURT INDIAN RES	0609	ROLETTE	8 48 50	99 45	1980	7P	7P	H	TURTLE MT INDIAN AGENCY	RYDER	7749	WARD	8 47 55	101 40	2108	6P	6P	C	DAVID E. MADLARO
BEULFIELD	0639	STARR	4 46 55	101 11	2583	7P	7P	C	CARL INDERGAARD	SAN HAVEN	7824	ROLETTE	12 48 50	100 02	2001	6P	6P	C	JOSEPH MOSSET
BERTHOLD	0729	WARD	12 48 19	101 44	2080	6P	6P	JOAN COX	SARLES 1 SW	7844	TOWNER	9 48 56	99 00	1602	6P	6P	C	DAVID E. MADLARO	
BEULAN	0748	MERCER	6 47 18	101 47	1780	7P	7P	JOHN D. UTILITIES CO	SELFPIDGE 5 W	7952	SILOU	1 46 02	101 06	2229	6P	6P	C	JOSEPH MOSSET	
BISBER	0796	TOWNER	2 48 17	99 22	1802	6P	6P	H	ROBERT J. KRICE	SENTINEL BUTTE 20 S	7976	GOLDEN VALLEY	7 46 57	103 49	2682	7P	7P	C	G. E. BURT
BISHARKE WB AIRPORT	0819	BUTTE	4 46 46	100 55	1647	MID	MID	C	MJ U S WEATHER BUREAU	SHARON	7988	STEELE	10 47 36	97 54	1516	6P	6P	C	HUGH LYON
BITS-MARKE 12 ENE	0827	BUTTE	8 46 51	100 33	1709	8A	8A	KFR TRANSMITTER	SHERWOOD 3 N	8047	RENNVILLE	12 49 00	101 38	1647	6P	6P	C	U S CUSTOMS OFFICE	
BOTTINEAU	0941	BUTTE	12 48 50	100 27	1640	8A	8A	H	N D SCHOOL OF FORESTRY	SHYENNE	8057	EDDY	11 47 50	99 07	1480	6P	6P	C	ALVIN H. KENNEDY
BOWWELLS	0961	BURKE	12 48 48	102 15	1953	8A	8A	C	HELIOR L. ADAMS	SHYENNE	8065	GRANT	1 46 14	101 07	1806	6P	6P	C	JAMES W. ROENBOUGH
BOWMAN COUNTRY HOUSE	0995	BOWMAN	3 46 11	103 25	2980	5P	5P	C	MICHAEL R. HIRSCH	STANLEY	8276	MOUNTAIN	8 48 19	102 24	2760	7P	7P	C	N. G. EVANS
BOWMAN 13 SE	0998	BOWMAN	3 46 02	103 18	2830	6P	6P	C	GEORGE HIRSCH	STEELE	8368	KIDDER	8 46 51	99 55	1857	6P	6P	C	STEELE OZONE PRESS
BREIEN	1052	SILOU	1 46 24	100 56	1720	6P	6P	C	ANNA C. PEDERSON	STEELE	8373	BARNES	9 47 28	99 24	1834	9A	9A	C	EDWARD SONAG
BUTTE	1225	MCNARY	12 47 50	100 40	1865	8A	8A	C	SAN KRISTY	TAGUS	8627	MOUNTAIN	12 48 20	101 56	2279	6P	6P	C	W. R. ELLINGBOE
CANDON	1288	TOWNER	2 48 29	99 12	1481	8A	8A	C	ANDREW C. HEINTZ	TAGUS	8737	WILLIAMS	8 48 24	102 55	2145	8A	8A	C	SIGNAL OIL AND GAS
CARRINGTON	1560	FOSTER	4 47 27	99 09	1586	8A	8A	C	ANDREW C. HEINTZ	TONNER	8792	MCNARY	12 48 21	100 24	1482	7P	7P	C	AUGUST B. RIEDER
CASPER	1370	GRANT	4 46 25	101 34	2310	8A	8A	C	JACK STEWART	TROTTERS 3 S	8812	GOLDEN VALLEY	13 47 17	103 54	2420	6P	6P	C	JOHN O. HELLERME
CAVALIER	1435	PENBINA	9 48 48	97 38	889	6P	6P	C	H. WILLIE HANSEN PICO	TURTLE LAKE	8840	MCLEAN	8 47 31	100 53	1889	6P	6P	C	WALTER L. RENFROW
CENTER	1456	OLIVER	8 47 07	101 18	2100	7P	7P	H	FRED L. HEINE	TUTTLE	8850	KIDDER	8 47 08	100 00	1880	5P	5P	C	THEODORE C. OCHSNER
COLGATE	1486	STEELE	10 47 14	97 39	1181	6P	6P	C	JOHN P. BURCHILL	UNDERWOOD 4 ESE	8872	MCLEAN	8 47 25	101 05	2001	6P	6P	C	FERDINAND KOENIG
COLUMBUS	1686	BURKE	12 48 54	102 47	1930	8A	8A	C	J. D. SUNDELL	UPHAM 3 N	8913	MCNARY	12 48 37	100 44	1425	5P	5P	C	U S FISH AND WILDLIFE
COOPERSTOWN	1686	STEELE	11 47 26	98 07	1428	5P	5P	C	DELANO W. MARSON	VELVA	8930	MCNARY	12 48 03	100 55	1511	6P	6P	C	GEORGE M. KENNEDY
COURTNEY	1816	STUTSMAN	9 47 13	98 54	1523	6P	6P	C	G. H. HANNAULT	VERONA	9035	LA MOURE	5 46 22	98 05	1382	6P	6P	C	H. R. AYERS
CROSBY	1871	DIVIDE	12 48 54	103 18	1952	6P	6P	C	H. JOHN ANDRIST	WASHBURN	9195	MCLEAN	8 47 17	101 02	1760	5P	5P	C	WARREN O. TANG
DANSON	2018	KIDDER	2 48 02	99 45	1515	6P	6P	C	CECIL L. BILLINGTON	WASHBURN	9219	GRANT	1 46 02	101 34	2074	6P	6P	C	OTTER TAIL PHR PL
DEVILS LAKE WB CITY	2158	RAMSEY	2 48 07	98 52	1471	MID	MID	C	MJ U S WEATHER BUREAU	WATFORD CITY	9233	MCNARY	8 47 48	103 17	2100	6P	6P	C	PHILIP R. WEISER
DICKINSON FFA AIRPORT	2183	STARR	4 46 47	102 48	2555	MID	MID	C	U S FED AVIATION AGENCY	WATFORD CITY 11 E	9238	MCNARY	8 47 47	103 02	2130	6P	6P	C	FELIX A. GASTONGUAY
DICKINSON EXP STATION	2218	STARR	12 48 50	100 27	1640	8A	8A	C	DICKINSON EXP STATION	WATFORD CITY 14 S	9248	MCNARY	7 47 36	103 17	1965	5P	5P	C	VIRGIL B. JOHNSON
DODGE	2215	DUNN	6 47 18	102 12	1989	6P	6P	C	THEODORE ISAAC	WASHBURN	9195	MCLEAN	8 47 17	101 02	1760	5P	5P	C	JUDY BORLUG
DONNERSBROOK	2242	WARD	12 48 11	101 53	1760	6P	6P	C	BERNICE SONNENBERG	WATFORD CITY	9219	GRANT	1 46 02	101 34	2074	6P	6P	C	MARY E. KATUS
DRAKE	2298	MCNARY	12 47 55	100 22	1634	8A	8A	C	ED. J. EVANS	WATFORD CITY	9233	MCNARY	8 47 48	103 17	2100	6P	6P	C	H. PHILIP R. WEISER
DUNN CENTER 2 SW	2472	BOTTINEAU	12 48 50	100 27	1640	8A	8A	C	JOHN M. ZURCH	WATFORD CITY 11 E	9248	MCNARY	7 47 36	103 17	1965	5P	5P	C	IDA PETERSON
EDGELEY EXP FARM	2482	LA MOURE	5 46 20	98 42	1568	8A	8A	C	N D AGRICULTURE EXP STA	WATFORD CITY 14 S	9248	MCNARY	7 47 36	103 17	1965	5P	5P	C	THEODORE ROOSEVELT NHP
EDMORE 1 N	2525	RAMSEY	2 48 05	98 28	1520	6P	6P	C	WILLIAM E. COLLINS	WESTHOPPE	9333	BOTTINEAU	12 48 55	101 01	1508	9P	9P	C	HARRY KLINE
ELLENDALE	2605	DICKEY	5 46 00	98 31	1480	6P	6P	C	MALCOLM C. GODDARD	WILLOWRIDGE	9400	WILLIAMS	8 48 38	103 10	2258	6P	6P	C	JONATHAN WINKER
ENDERLIN	2698	RANSOM	11 46 37	97 37	1439	6P	6P	C	LEONARD PETERSON	WILLISTON WB CITY	9426	WILLISTON	8 48 09	103 37	1877	MID	MID	C	U S WEATHER BUREAU
EPPING	2735	WILLIAMS	8 48 17	103 21	2224	6P	6P	C	E. F. CARPENTER	WILLISTON EXP FARM	9430	WILLIAMS	8 48 09	103 41	2105	6P	6P	C	GEORGE KAPUSTA
FAIRFIELD	2809	BILLINGS	7 47 11	103 13	2750	6P	6P	C	H. JOHN PETRYSZAK	WILLISTON	9455	MCLEAN	8 47 09	100 48	2171	6P	6P	C	MRS. O. M. SANDERSON
FARGO WB AIRPORT	2855	CASS	10 46 54	96 48	900	MID	MID	C	MJ U S WEATHER BUREAU	WILTON	9455	MCLEAN	8 47 09	100 48	2171	6P	6P	C	EDWIN PETERSON
FESSENDEN	2949	WELLS	5 47 39	99 37	1620	6P	6P	C	H. L. ELLER	WISKEE	9515	MCINTOSH	8 46 16	99 34	2010	8A	8A	C	J. M. HELLERUD
FISHER	3009	MORTON	1 46 27	101 14	1930	8A	8A	C	GEORGE M. SINCLAIR	WOODWORTH	9575	STUTSMAN	5 47 09	99 18	2041	6P	6P	C	CHESTER W. THOMPSON
FORMAN	3064	DICKEY	5 46 04	98 56	1988	6P	6P	C	THEODORE A. WIRCH	ART WATERMAN									
FORT YATES	3117	SARGENT	10 46 06	97 39	1249	6P	6P	C	ART WATERMAN	H SOIL CONSERVATIONIST									
FOHOLM T N	3207	SILOU	8 46 06	100 38	1640	8A	8A	C	H SOIL CONSERVATIONIST	U S WILDLIFE REFUGE									
FULLERTON	3217	WARD	12 48 27	101 34	1809	6P	6P	C	W. E. LUBIENS	ALVIN HUMMEL									
GACEL	3509	LOGAN	5 46 38	99 08	1951	6P	6P	C	ALBERT J. BEIERLE	FREDERICK J. ANHORN									
GARRISON	3576	MCLEAN	8 47 38	101 25	1911	7A	7A	C	ROBERT H. BACKFISCH	GRAFTON STATE SCHOOL									
GLEN ULLIN	3496	MORTON	4 46 49	101 49	2090	6P	6P	C	ROBERT H. BACKFISCH	U S FED AVIATION AGENCY									
GOLDEN VALLEY 10 S	3529	PIERCE	8 47 29	99 02	1870	6P	6P	C	ROBERT H. BACKFISCH	UNIVERSITY OF N D									
GRAFTON	3594	WALSH	10 48 25	97 25	827	5P	5P	C	H. FRED ROBLE	ALBEE J. NESS									
GRAND FORKS FFA AIRPORT	3616	GRAND FORKS	10 47 56	97 05	832	MID	MID	C	LYNDON R. LANPHEAR	ROBERT DECKER									
GRAND FORKS UNIVERSITY	3621	GRAND FORKS	10 47 55	97 05	830	6P	6P	C	JOHN A. LAQUA	ROBERT DECKER									
GRAND RAPIDS 1 N	3665	LA MOURE	5 46 28	98 21	1560	6P	6P	C	PETER EDNER	IRVIN RICHARD									
GRAND	3676	RENNVILLE	12 48 37	101 35	1825	6P	6P	C	IRVIN RICHARD	SOO LINE AGENT									
GRANVILLE	3696	MCNARY	12 48 16	100 51	1504	7P	7P	C	SOO LINE AGENT	V. G. SHAW									
GRASSY BUTTE	3696	MCKENZIE	7 47 24	103 14	2660	6P	6P	C	FRED O. FORTNUM	WATFORD CITY									
GRONORA	3736	WILLIAMS	8 48 37	103 56	2131	6P	6P	C	JOHN A. LAQUA	WATFORD CITY									
HAGUE	3826	EMMONS	8 46 02	100 00	2048	6P	6P	C	PETER EDNER	WATFORD CITY									
HALLIDAY	3846	DUNN	6 47 21	102 20	2048	6P	6P	C	IRVIN RICHARD	WATFORD CITY									
HANESINSON R STATION	3908	RICHMOND	10 46																

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

OCTOBER 1961
Volume 70 No. 10



RECEIVED
JAN 2 1962

ASHEVILLE: 1961

SUPPLEMENTAL DATA

NORTH DAKOTA
OCTOBER 1961

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation								OCTOBER 1961	
	Prevailing	Percent of time prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total	Percent of possible sunshine	Average sky cover sunrise to sunset	
BISMARCK WB AIRPORT	WNW	12	9.6	36	W	22+	66	77	47	46	5	1	2	0	0	0	8	62	8.2	
DEVILS LAKE WB CITY	S	-	6.6	27	SW	22	-	83	59	57	3	3	1	0	0	0	7	59	8.4	
FARGO WB AIRPORT	SSE	16	12.4	38	SE	22	77	81	58	61	2	2	2	2	0	0	8	55	6.4	
WILLISTON WB CITY	W	-	7.3	30	W	22	-	82	57	48	1	1	0	0	0	0	2	61	6.1	

CLIMATOLOGICAL DATA

Station	Temperature														Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max. Min.									Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More
										30° or Above	32° or Above	32° or Below	0° or Below											
NORTHWEST DIVISION																								
BOWBELLS	55.9	30.8	43.4		83	16	19	1	666	0	0	20	0	.04		.04	13	T	0		0	0	0	
CROSBY	58.4	30.6	44.5	0.5	83	16	19	23	629	0	0	19	0	.07	-.76	.07	22	T	0		0	0	0	
FOXHOLM 7 N	59.7	32.0	45.9	0.4	83	16	14	26	588	0	0	15	0	.00	-.78	.00		T	0		0	0	0	
GRENORA	59.0	30.7	44.9		84	16	9	26	619	0	0	19	0	.11		.10	22	T	22	1	0	0	0	
KENMARE	56.1	31.3	43.7		82	16	18	1	657	0	0	21	0	.03	-.77	.02	13	T	0		0	0	0	
LOSTWOOD 12 N	58.4	28.0	43.2		81	16	12	1	668	0	0	20	0	T		T	23+	T	23+	2	0	0	0	
MINOT. FAA AIRPORT	58.4	34.9	46.7		84	16	18	26	571	0	0	13	0	T		T	29+	T	0		0	0	0	
MINOT EXP STATION	//	57.0	33.0	45.0		82	17	20	26	613	0	0	19	0	.03		.02	7	T	0		0	0	0
MOHALL	56.6	29.9	43.3	- 1.4	84	16	15	1	669	0	0	20	0	.03	-.80	.03	13	T	0		0	0	0	0
NEWTOWN	59.6	32.9	46.3	1.7	83	15	21	30	573	0	0	18	0	.04	-.70	.03	7	T	0		0	0	0	0
PARSHALL	59.2	29.5	44.4		82	15	18	28+	634	0	0	19	0	.03	-.69	.02	7	T	0		0	0	0	0
PORTAL	55.9	30.5	43.2	- 0.1	85	16	19	9+	668	0	0	20	0	.09	-.66	.06	13	T	0		0	0	0	0
POWERS LAKE 1 N	56.1M	27.8M	42.0M		81	17	16	18	704	0	0	23	0	.04		.04	23	T	0		0	0	0	0
STANLEY	57.7	31.4	44.6		81	15	19	1	628	0	0	18	0	.02		.02	22	T	5	1	22	0	0	0
TIOGA 1 E	56.2	29.8	43.0		82	17	18	18	678	0	0	20	0	.05		.05	23	T	5	1	23	0	0	0
WILLISTON WB CITY	//R	59.0	34.4	46.7	1.2	81	16+	24	30+	563	0	0	15	0	.07	-.70	.07	22	T	5	23+	0	0	0
WILLISTON EXP FARM		59.5M	32.7	46.1M		80	16	20	30	576	0	0	16	0	.07		.07	22	T	1.0		0	0	0
DIVISION			44.5	- 0.1											.04	- .73	.2							
NORTH CENTRAL DIVISION																								
BELCOURT INDIAN RES	56.0	29.2	42.6		78	6	12	1	685	0	0	19	0	T		T	29+	T	0		0	0	0	0
BOTTINEAU	55.6	29.5	42.6	- 1.0	80	17	15	30	688	0	0	20	0	T	-.78	T	18+	T	0		0	0	0	0
DRAKE	58.8M	31.1M	45.0M	0.2	83	17	18	30	615	0	0	22	0	T	-.86	T	13	T	0		0	0	0	0
GRANVILLE	60.2	32.6	46.4	0.9	87	15	19	26	572	0	0	17	0	.00	-.75	.00		T	0		0	0	0	0
LEEDS	57.9	34.4	46.2		80	6	17	26	579	0	0	14	0	.12		.12	11	T	0		1	0	0	0
MADDOCK AGRI SCHOOL	58.6	31.6	45.1	0.1	84	6	15	26	609	0	0	18	0	.07	-.83	.04	13	T	0		0	0	0	0
ROLLA	56.5	32.5	44.5		80	16+	18	26	629	0	0	19	0	T		T	23+	T	0		0	0	0	0
RUGBY	59.7	34.1	46.9		82	16	21	26	554	0	0	15	0	T	-.81	T	23+	T	0		0	0	0	0
SAN HAVEN	57.1	32.7	44.9	1.3	80	16	17	30	615	0	0	14	0	T	-.72	T	23+	T	0		0	0	0	0
TOWNER	60.6	32.8	46.7	2.1	84	16	19	26	559	0	0	15	0	T	-.79	T	4	T	0		0	0	0	0
UPHAM 3 N	57.3M	28.9M	43.1M		15	1	688	0	0	18	0			.00		.00		T	0		0	0	0	0
VELVA	60.7	33.1	46.9	0.9	85	16	16	26	562	0	0	17	0	.00	-.80	.00		T	0		0	0	0	0
WESTHOPE	57.5	31.9	44.7	0.9	82	16	19	1	621	0	0	15	0	.04		.04	7	T	0		0	0	0	0
WILLOW CITY	58.8	28.7	43.8	0.7	81	16+	11	26	649	0	0	19	0	.00	-.71	.00		T	0		0	0	0	0
DIVISION			45.0	0.7											.02	- .77	T							
NORTHEAST DIVISION																								
ARVILLA STATE PARK	58.3	32.0	45.2		82	6+	15	26	609	0	0	17	0	1.84		1.49	11	T	0		3	1	1	
BISBEE	56.6	32.3	44.5		78	6	19	26	629	0	0	18	0	.10		.10	11	T	0		1	0	0	
CAVALIER	59.1	34.2M	46.7M		87	16	20	30	559	0	0	14	0	2.03		2.00	11	T	0		1	1	1	
DEVILS LAKE WB CITY	56.5	34.1	45.3	1.4	86	6	21	26	601	0	0	17	0	.26	- 1.00	.21	10	T	7		1	0	0	
EDMORE 1 N	57.4	31.9	44.7		84	6	17	26	620	0	0	16	0	.40		.38	11	T	0		1	0	0	
GRAFTON	59.0	34.2	46.6	0.4	83	6	16	26	562	0	0	13	0	1.82	.64	1.69	11	T	0		1	1	1	
GRAND FORKS FAA AIRPORT	59.2	35.3	47.3		86	5	19	26	546	0	0	14	0	1.39		.70	11	T	0		3	1	0	
GRAND FORKS UNIVERSITY	57.7	35.7	46.7	1.4	84	5	19	26	560	0	0	12	0	2.21	-.99	1.89	11	T	0		2	1	1	
HANNAH	56.8	30.5	43.7		83	16	15	26	655	0	0	18	0	.40	-.66	.31	11	T	0		1	0	0	
HANSBORO 3 W	58.1	29.9	44.0	0.7	82	16+	14	1	644	0	0	19	0	T	-.82	T	23+	T	0		0	0	0	
LANGOON EXP FARM	57.6	29.7	43.7	0.7	84	6	15	26	655	0	0	19	0	.42	-.69	.37	11	T	0		1	0	0	
LARIMORE	58.8	33.6	46.2	0.5	83	6+	15	26	577	0	0	14	0	1.92	.72	1.42	11	T	0		4	1	1	
MC VILLE	57.4M	31.6M	44.5M		82	6	20	26	630	0	0	16	0	2.14		1.54	11	T	0		3	1	1	
MUNICH 4 SW	56.5	30.1	43.3		83	6	18	26	664	0	0	17	0	.37		.34	11	T	0		1	0	0	
PARK RIVER	59.7	35.5	47.6	2.3	85	6	20	26	538	0	0	14	0	1.78	.67	1.67	11	T	0		1	1	1	
PEMBINA	60.3M	33.2	46.8M		89	16+	16	26	560	0	0	14	0	1.56	.38	1.48	11	T	0		1	1	1	
PETERSBURG	56.5	33.0	44.8		84	6	19	26	619	0	0	15	0	1.02	-.15	.70	11	T	0		3	1	0	
DIVISION			45.4	1.0											1.16	.07	T							
WEST CENTRAL DIVISION																								
BEULAH	62.2	31.9	47.1		86	15	18	29	548	0	0	15	0	.02		.02	1	T	0		0	0	0	0
BUTTE	57.6M	32.7M	45.2M		83	17	21	26	613	0	0			.00		.00		T	0		0	0	0	0
CENTER	60.7	33.7	47.2		85	16	18	30+	547	0	0	15	0	.22		.09	11	T	0		0	0	0	0
QUINN CENTER 2 SW	58.1	31.7	44.9	0.0	81	16	18	30	619	0	0	20	0	T	-.81	T	23	T	0		0	0	0	0
GARRISON	57.8	32.5	45.2	0.0	83	17	22	26	610	0	0	19	0	.00	-.78	.00		T	0		0	0	0	0
KEENE 2 S	56.8M	29.4M	43.1M				18	30+	674	0	0	19	0	.06		.03	22+	T	.6	1	22	0	0	0
MAX	57.8	30.8	44.3	0.4	81	17	18	30	632	0	0	19	0	.02	-.70	.02	12	T	0		0	0	0	0
RAUB 10 SSW	59.8	34.8	47.3		82	16+	24	28	541	0	0	12	0	T		T	22+	T	0		0	0	0	0
RIVEROALE	//	57.8	33.4	45.6		80	17+	22	30	597	0	0	15	0	T		T	23+	T	0		0	0	0

CLIMATOLOGICAL DATA

NORTH DAKOTA
OCTOBER 1961

CONTINUED

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days					Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max									Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More
										80° or Above	32° or Below	32° or Below	32° or Below	32° or Below										
TURTLE LAKE	61.2M	34.7	48.0M		82	16+	20	30+	521	0	0	15	0	.06		.04	12	.0	0		0	0	0	
UNDERWOOD 4 ESE	59.5	33.8	46.7		81	16	18	30	563	0	0	17	0	.04		.02	24+	.0	0		0	0	0	
WASHBURN	60.7M	34.8M	47.8M	- 0.7	83	16+	22	30	528	0	0	13	0	.59	- .23	.20	1	T	0		4	0	0	
WATFORD CITY	59.9	31.5	45.7	- 0.8	83	16	19	30	590	0	0	20	0	.02	.94	.02	22	.0	0		0	0	0	
WATFORD CITY 14 S	63.0M	32.8M	47.9M		84	16+	20	30	526	0	0	18	0	.06		.04	7	T	0		0	0	0	
WILTON	59.5	34.1M	46.8M		82	16	21	30	567	0	0	14	0	.55		.33	12	.0	0		2	0	0	
DIVISION			46.1	0.5										.08	- .75			T						
CENTRAL DIVISION																								
CARRINGTON	57.8	31.8	44.8	- 0.2	84	7	19	26	619	0	0	18	0	.60	- .55	.40	12	T	0		2	0	0	
FESSENDEN	61.5	34.0	47.8	2.5	88	6	17	26	530	0	0	13	0	.19	- .85	.19	12	.0	0		1	0	0	
JAMESTOWN FAA AIRPORT	//R	59.2	33.9		83	16	19	26	563	0	0	15	0	.61		.32	10	.0	0		2	0	0	
JAMESTOWN STATE HOSP		59.5	35.5		1.0	83	16+	19	26	536	0	0	12	0	.68	- .49	.34	10	.0	0		3	0	0
KENSAL WILDLIFE REFUGE		62.0	35.2		85	6	16	26	504	0	0	14	0	.68		.35	12	.0	0		3	0	0	
MC CLUSKY		60.8M	32.3M	0.8	83	16	14	26	564	0	0	0	0	.24	- .78	.17	7	.0	0		1	0	0	
MC HENRY 5 N		57.9	31.7		85	6	17	30+	615	0	0	16	0	.75		.31	12	T	0		3	0	0	
PETTIBONE		58.9	34.0		1.3	82	6	21	30+	566	0	0	15	0	.54	- .61	.45	12	T	0		1	0	0
STEELE		61.7M	35.6M	2.8	83	6	21	30+	501	0	0	13	0	.56	- .64	.46	12	T	0		2	0	0	
TUTTLE		61.6M	31.5M		82	16+	16	26	575	0	0	0	0	.43		.43	12	.0	0		1	0	0	
DIVISION			46.9	1.3										.53	- .61			T						
EAST CENTRAL DIVISION																								
AMENIA	//R	61.9M	36.0M		86	6	21	26	478	0	0	10	0	2.98		2.20	11	.0	0		4	1	1	
COOPERSTOWN		58.6	35.4		82	16+	19	26	552	0	0	11	0	1.14	.00	.60	11	.0	0		3	1	0	
FARGO WB AIRPORT		59.2	36.5		1.8	89	6	23	26	527	0	0	9	0	1.70	.44	.65	11	T	0		4	2	0
MILLSBORO		59.8	35.8		1.5	85	6+	18	26	527	0	0	10	0	3.12	1.99	2.62	11	T	18		2	1	1
MAYVILLE		57.7	36.4		0.0	84	6	19	26	549	0	0	11	0	2.07	1.01	1.57	11	.0	0		3	1	1
SHARON		57.0	34.1		0.7	82	6	19	26	592	0	0	13	0	1.60	.35	.85	11	T	0		3	1	0
VALLEY CITY		59.0	33.8		- 0.8	82	6	11	26	567	0	0	13	0	1.43	.25	1.20	10	.0	0		2	1	1
DIVISION			47.4	1.2										2.10	.97			T						
SOUTHWEST DIVISION																								
AMIOON		60.2M	33.8M		82	16	19	30	552	0	0	14	0	.16		.08	18+	T	0		0	0	0	
BEACH		57.0	31.3		80	17+	20	30	642	0	0	19	0	.03		.02	7	T	0		0	0	0	
BELFIELD		60.2	31.7		84	15	18	30	583	0	0	19	0	.09		.06	26	.0	0		0	0	0	
BOWMAN COURT HOUSE		58.5	34.3M		- 0.1	82	15	18	30	559	0	0	16	0	.29		.20	11	.0	0		1	0	0
DICKINSON FAA AIRPORT	//R	59.8	32.3		83	15	18	30	582	0	0	17	0	.04		.03	11	.0	0		0	0	0	
DICKINSON EXP STATION		57.9	29.9		- 0.9	82	17+	14	30	646	0	0	22	0	.11	- .77	.07	12	.0	0		0	0	0
FAIRFIELD		58.9M	33.0		81	16+	18	30	577	0	0	15	0	T		T	23+	T	0		0	0	0	
HETTINGER		59.5	29.5M		- 2.1	84	16	20	30	648	0	0	22	0	.14	- .78	.09	12	.0	0		0	0	0
MARMARTH		61.9	24.3		84	16+	13	25	669	0	0	28	0	.12		.07	11	.0	0		0	0	0	
MEDORA 3 NNE		60.5	30.6		- 1.2	83	16	12	30	595	0	0	20	0	.60	- .08	.47	12	.0	0		2	0	0
MOTT		60.3	31.7		- 0.2	83	15	21	30	581	0	0	19	0	.12	- .73	.10	12	.0	0		1	0	0
NEW ENGLAND		60.0	34.3		0.0	81	16+	18	30	548	0	0	14	0	.05	- .78	.05	12	.0	0		0	0	0
RICHARDTON ABBEY		58.6	33.0		81	16+	19	30	586	0	0	16	0	.18	- .56	.16	24	T	0		1	0	0	
TROTTERS 3 S														.15	- .71			T						
DIVISION			45.5	- 1.0																				
SOUTH CENTRAL DIVISION																								
ALMONT 7 SW	//R	60.7	36.3		83	6	22	30	511	0	0	12	0	.61		.46	12	T	0		2	0	0	
BISMARCK WB AIRPORT		61.2	34.6		2.2	85	16	22	30	524	0	0	13	0	.50	- .50	.29	11	T	8		2	0	0
BREIEN		63.9	33.4		85	16+	20	30+	500	0	0	10	0	.55		.44	12	.0	0		1	0	0	
CARSON		59.0	33.0		- 0.8	82	17+	19	30	583	0	0	16	0	.68	- .34	.39	12	.0	0		3	0	0
FORT YATES		63.8	34.4		1.0	87	17	20	30	483	0	0	11	0	.19	- .93	.12	11	.0	0		1	0	0
LINTON		63.3	31.3		- 0.1	86	6	18	30+	542	0	0	16	0	.12	- .98	.12	12	T	0		1	0	0
MANDAN EXP STATION		59.6	34.0		0.2	84	17	22	30+	556	0	0	16	0	.44	- .48	.39	12	.0	0		1	0	0
MANDAN FT LINCOLN PARK		63.3	36.0			84	16	20	26	473	0	0	10	0	.52		.47	12	.0	0		1	0	0
MOFFIT 4 SE		63.1M	33.5M			84	16	19	30	512	0	0	0	0	.63		.61	12	T	0		1	1	0
NEW SALEM 1 SE		60.5M	36.0M		1.6	86	16	20	30	521	0	0	0	0	.63	- .13	.43	12	.0	0		2	0	0
DIVISION			48.1	0.8										.49	- .52			T						
SOUTHEAST DIVISION																								
ASHLEY		62.4	33.0		1.8	84	16	15	26	530	0	0	15	0	.14	- .80	.06	10	.0	0		0	0	0
EOGELEY EXP FARM		61.0	34.4		1.0	84	17	18	26	533	0	0	16	0	.75	- .20	.62	11	.0	0		1	1	0
ELLEDALE		62.1	35.9M		1.5	85	6+	21	1	501	0	0	9	0	1.40	.32	.71	11	.0	0		2	2	0
ENDERLIN		58.9	32.0M			85	7	20	27+	601	0	0	17	0	3.74		3.40	11	.0	0		3	1	1
FORMAN		61.8M	35.8			89	6	23	19	494	0	0	12	0	1.94	.77	1.09	11	.0	0		2	2	1
FULLERTON		61.2	34.9		0.7	84	16+	19	26	518	0	0	12	0	1.49	.33	.95	11	.0	0		2	2	0
GACKLE		59.5	36.7M			82	6	23	30	516	0	0	13	0	.56		.25	12	T	0		3	0	0
GRAND RAPIDS 1 N		62.5	34.8M			89	6	16	26	502	0	0	12	0	1.26		.85	11	T	0		2	1	0
HANKINSON R R STATION		58.4M	33.4M		- 1.0	88	7	18	26	585	0	0	15	0	1.46	.42	.95	11	.0	0		3	1	0
LISBON		63.2	36.5		2.6	85	7+	16	26	462	0	0	11	0	3.12	1.93	2.97	1						

NORTH DAKOTA
OCTOBER 1961

See reference notes following Station Index.

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DAILY PRECIPITATION

NORTH DAKOTA
OCTOBER 1961

Continued

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
POWERS LAKE 1 N	.04																								.04								
PRETTY ROCK	.80	.05						.21	.09	T		T	.40							T				T	T				.05	T			
RAVR 10 55W	T																		T				T										
REEDER	.35							.04					.45							.06													
REEDER 14 N	.37	.05											.30								.02												
RICHARDTON ARREY	.05							T				T	.05							T						T							
RIVERDALE	//	T																															
ROLLA	T											T	T																				
RUGBY	T																	T															
RYDER	T								T																								
SAN HAVEN	T																																
SELFBRIDGE 5 W	.46							.01					.45																				
SENTINEL BUTTE 20 S	.22											.09	T																				
SHARDN	1.60							.03	.06			.38	.85	.25	T					.13				T				.03					
SHERWOOD 3 N	.08												.08																				
SHIELDS	.45							.04	.06				.35																				
STANLEY	.02							T																									
STEELE	.56							T	T	T		T	.46														.10						
SYKESTON	.43											T	.43																				
TAGUS	.04							.03																									
TJOGA 1 E	.05																																
TOWNER	T				T																												
TROTTERS 3 S	.18							.02																									
TURTLE LAKE	.06							.02					.06																				
TUTTLE	.43							T					.43																				
UNDERWOOD 4 ESE	.04							.02																									
UPHAM 3 N	.00																																
VALLEY CITY	1.43											1.20	.10	T																			
VELVA	.00																																
VERONA	2.36											.99	1.37																				
WAMPETON	.70								.02			.53	.05	.03																			
WALHALLA	1.31											.04	1.27																				
WARWICK	.51							.04	T			.07	.24	.11																			
WASHBURN	.59							.10	.10				.17																				
WATAUGA 5 DAKOTA 8 N	.49	.20					T	.16					.25	.08																			
WATFORD CITY	.02																																
WATFORD CITY 14 S	.06							.04																									
WESTHOPE	.04							.04																									
WILORDSE	.05																																
WILLISTON WB CITY	//R	.07																															
WILLISTON EXP FARM	.07																																
WILLON CITY	.00						T																										
WILTON	.55							.22					.33																				
WISNEK	.13											.04	.09																				
WODDWRTH	.56							.06				.08	.42																				

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
OCTOBER 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX MIN	56 32	67 40	73 45	74 48	80 50	83 50	55 38	39 32	55 28	66 40	62 40	57 35	65 38	73 35	79 49	82 56	64 41	54 33	59 30	61 35	59 31	52 35	50 31	52 32	50 27	52 23	61 37	48 28	37 30	59 22	57 33	60.7 36.3
AMENIA	MAX MIN		65 22	67 32	77 44	84 45	86 42	81 40	43 39	54 32	62 44	61 43	59 40		65 38	76 46	79 44	72 46	47 36	51 23	58 33	64 35	61 45	56 34	54 24	48 37	47 21	52 37	50 37	32 32	59 23	56 42	61.9 36.0
AMIDON	MAX MIN	55 33	56 33	65 42	73 43	74 43	78 44	74 37	36 29		50 35	61 36		59 35	67 42	78 46	82 48	81 45	47 26	47 31	61 31	68 31	54 28	40 29	49 34	48 23	29 29	55 26	57 26	54 29	39 19	53 34	60.2 33.8
ARVILLA STATE PARK	MAX MIN	47 18	63 21	67 26	75 45	82 46	82 44	70 34	41 30	54 25	60 45	61 47	51 40	49 33	64 24	75 49	80 44	65 41	44 36	51 19	56 24	62 27	54 30	51 30	53 24	47 28	45 15	52 37	49 27	46 33	55 19	56 31	58.3 32.0
ASHLEY	MAX MIN	53 29	67 36	73 43	76 46	81 44	82 45	69 35	42 32	55 33	65 48	64 43	59 42	63 29	76 45	80 44	84 45	67 41	51 25	56 17	67 33	64 28	57 35	54 27	59 23	50 27	55 15	58 39	50 27	39 32	60 20	60 30	62.4 33.0
BEACH	MAX MIN	47 21	57 31	66 38	73 43	72 44	78 46	72 36	39 29	43 29	53 30	63 33	60 31	60 33	65 35	75 40	80 48	40 25	43 25	50 25	65 30	69 27	45 26	37 25	50 26	44 23	49 24	52 31	56 26	36 26	34 29	55 29	57.0 31.3
BELCOURT INDIAN RES	MAX MIN	43 12	64 25	66 27	69 42	74 44	78 33	66 34	37 28	52 18	61 45	58 39	51 34	46 33	72 29	74 32	77 43	75 37	47 29	54 18	53 28	51 32	54 28	44 23	52 33	44 22	42 21	53 25	45 23	38 29	51 17	46 30	56.0 29.2
BELFIELD	MAX MIN	55 25	66 35	73 40	74 42	79 44	74 44	51 36	42 32	53 23	60 35	61 35	60 31	64 29	78 32	84 39	83 47	62 39	50 25	63 25	71 29	63 28	46 28	51 29	51 31	49 27	51 27	60 36	41 22	34 18	59 28	59 28	60.2 31.7
BEULAH	MAX MIN	56 33	66 35	72 32	75 42	82 41	83 37	54 40	33 26	59 26	69 40	61 39	62 33	67 30	79 35	86 40	84 47	66 42	53 25	64 21	63 35	55 35	53 35	52 28	49 26	54 26	62 23	48 21	39 18	60 20	60 30	62.2 31.9	
BISBEE	MAX MIN	44 21	65 29	69 32	70 45	75 45	78 37	65 34	38 22	54 22	64 45	57 41	50 39	48 34	74 29	76 42	73 45	68 41	45 31	54 22	54 30	54 32	51 28	48 34	51 28	44 22	49 22	51 30	44 27	39 22	49 22	59 30	56.6 32.3
BISMARCK WB AIRPORT	MAX MIN	51 32	67 30	73 33	75 39	82 40	83 39	49 36	36 25	55 25	66 46	61 43	57 42	66 36	75 41	81 40	85 44	60 25	60 31	61 37	61 36	57 39	50 32	55 35	51 30	56 28	61 40	47 27	24 24	61 28	58 29	61.2 34.6	
BOTTINEAU	MAX MIN	39 16	45 30	65 32	72 39	72 42	77 43	75 39	41 29	41 21	55 29	62 38	55 32	52 29	50 31	76 36	78 48	80 41	48 28	47 21	58 30	55 33	55 25	44 20	50 24	44 21	44 17	44 21	53 26	41 26	39 15	55.6 29.5	
BOWBELLS	MAX MIN	42 19	53 28	64 38	74 42	74 49	79 41	70 37	43 30	43 25	57 29	65 32	49 26	54 28	60 34	77 42	83 40	81 45	45 25	50 25	62 31	58 33	46 33	38 23	42 25	42 22	43 21	48 23	55 23	44 29	52 30	52 30	55.9 30.8
BOWMAN COURT HOUSE	MAX MIN	56 36	65 37	73 43	76 46	78 45	73 39	41 32	41 28	50 28	63 39	63 35	59 35	64 36	74 42	82 47	81 45	53 27	62 32	71 31	50 28	42 28	50 34	50 23	49 26	52 26	58 32	41 28	32 19	57 32	60 34	58.5 34.3	
BREIEN	MAX MIN	56 31	68 33	75 35	76 41	85 43	85 33	78 40	40 33	55 25	70 48	65 44	61 40	65 34	75 40	83 44	85 48	75 44	55 38	60 22	64 36	58 33	51 49	49 37	57 24	52 25	55 20	56 35	41 28	62 35	59 31	63.9 33.4	
BUTTE	MAX MIN	42 22	48 28	66 40	74 44	74 46	82 48	82 40	42 31	38 25	55 41	65 38	59 32	57 24	58 37	58 35	81 46	83 53	59 29	48 20	58 30	59 28	54 29	54 30	51 29	51 27	47 21	49 27	57 23	42 28	35 24	58 28	57.6 32.7
CARRINGTON	MAX MIN	39 23	49 27	65 35	72 37	73 48	80 41	84 42	46 33	38 24	59 24	67 49	55 45	52 37	51 30	68 33	78 47	82 48	60 34	46 23	58 31	63 30	54 29	53 27	50 26	47 26	46 19	47 21	55 25	41 26	38 22	57 27	57.8 31.8
CARSDN	MAX MIN	46 30	54 32	67 34	72 40	73 45	82 46	80 38	50 30	40 26	54 29	64 40	61 35	60 33	72 40	78 42	82 46	82 45	50 32	57 35	60 27	54 30	46 31	52 26	55 24	51 24	54 30	62 42	40 30	35 19	60 27	59.0 33.0	
CAVALIER	MAX MIN	47 24	59 25	66 28	76 46	82 45	84 42	75 40	42 33	64 26	60 43	57 39	47 38	51 38	70 43	76 49	87 48	70 40	45 35	53 28	56 31	56 32	61 48	51 28	54 25	48 25	52 20	48 25	56 28	51 20	59.1 34.2		
CENTER	MAX MIN	50 31	63 33	74 36	78 47	81 47	82 40	51 38	49 32	54 26	69 41	61 53	57 33	65 35	77 47	77 47	85 47	61 42	57 27	60 27	60 28	54 32	50 35	53 31	52 29	48 23	54 23	60 36	42 23	37 18	58 28	58 33	60.7 33.7
COOPERSTOWN	MAX MIN	44 33	65 30	70 30	73 48	82 47	81 43	71 39	40 33	53 27	59 46	58 48	49 43	48 38	66 43	77 45	82 48	73 43	46 35	54 25	58 35	56 35	60 40	52 36	56 26	48 26	45 19	51 27	48 27	41 27	57 33	53 36	58.6 35.4
CRDSBY	MAX MIN	57 21	65 35	73 44	79 45	77 45	65 39	48 36	52 26	59 26	65 33	56 32	59 30	57 32	76 45	81 48	83 43	65 35	50 24	67 31	61 35	54 28	42 26	43 24	40 25	45 22	49 25	57 28	42 25	50 20	55 28	56 28	58.4 30.6
DEVILS LAKE WB CITY	MAX MIN	44 23	64 31	71 34	70 49	79 50	86 45	50 36	38 30	55 27	63 47	55 44	45 40	47 34	73 40	78 44	80 48	57 40	43 32	56 26	61 36	55 30	49 31	49 24	45 24	52 32	45 24	36 27	53 33	47 33	56.5 34.1		
DICKINSON FAA AIRPORT	MAX MIN	58 26	67 36	74 42	74 45	80 46	79 44	44 35	41 30	54 24	62 46	61 36	61 36	67 43	77 45	83 45	82 51	59 33	52 26	61 30	69 35	49 30	51 28	50 27	49 28	49 25	50 26	49 26	38 26	55 20	59 18	61 28	59.8 32.3
DICKINSON EXP STATION	MAX MIN	44 22	57 31	66 35	73 40	74 41	79 42	77 42	41 31	54 24	63 28	60 33	61 31	65 29	76 43	81 46	82 42	82 44	52 22	62 22	63 31	49 29	38 28	50 26	49 26	49 22	51 26	59 29	58 22	38 14	57 25	57.9 29.9	
DRAKE	MAX MIN	46 25	67 36	74 41	75 45	82 45	82 45	82 40	43 31	39 25	58 25	65 39	58 31	57 31	76 43	81 46	83 47	55 47	49 27	59 28	60 26	56 29	47 29	52 22	49 22	49 22	49 22	57 22	42 19	38 19	58 27	58.8 31.1	
DUNN CENTER 2 SW	MAX MIN	46 26	55 35	65 27	73 46	72 46	76 48	76 38	42 32	41 23	57 34	62 37	59 28	61 33	75 43	75 40	81 47	78 45	48 26	52 24	64 28	60 27	54 30	49 27	50 30	48 24	52 30	48 24	58 24	36 20</			

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Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
GARRISON	MAX	48	50	66	74	75	81	80	41	40	56	67	57	56	60	67	74	83	57	52	60	57	48	47	50	52	46	52	60	42	37	56	57.8	
	MIN	25	15	40	45	50	52	41	32	32	30	31	33	32	33	39	47	47	25	24	30	33	25	25	24	27	22	26	25	27	25	27	32.5	
GRAFTON	MAX	45	59	66	76	82	83	77	41	55	60	60	48	49	67	74	80	72	44	52	58	58	62	51	53	51	46	55	50	48	56	53	59.0	
	MIN	23	27	29	47	47	42	38	34	24	43	46	40	38	28	43	44	40	32	25	33	34	44	30	23	29	16	36	29	35	22	40	34.2	
GRAND FORKS FAA AIRPORT	MAX	47	61	68	77	86	85	59	40	56	65	60	49	50	63	75	82	66	46	52	60	62	61	54	56	50	50	55	50	42	56	51	59.2	
	MIN	26	29	30	51	47	47	40	38	32	48	45	44	34	32	42	48	39	30	27	36	35	36	32	28	25	19	38	30	24	25	37	35.3	
GRAND FORKS UNIVERSITY	MAX	46	59	66	76	84	83	66	40	53	63	61	47	48	61	73	79	66	45	50	58	60	60	53	54	47	48	53	47	41	54	48	57.7	
	MIN	24	23	30	48	47	46	40	40	30	45	46	42	37	29	43	46	42	36	27	35	34	45	31	27	31	19	39	29	35	25	37	35.7	
GRAND RAPIDS 1 N	MAX	53	67	74	76	83	89	60	52	60	61	63	62	56	69	82	85	70	51	55	65	65	55	55	65	51	52	56	47	42	60	58	62.5	
	MIN	25	31	30	44	42	39	36	34	29	49	49	46	41	28	42	41	42	35	22	32	34	40	33	65	29	16	35	26	35	22	36	34.8	
GRANDVILLE	MAX	47	67	77	74	82	82	53	43	58	68	57	59	57	79	87	84	65	52	61	60	54	52	51	50	47	50	58	43	37	56	55	60.2	
	MIN	21	34	37	45	50	46	40	32	25	40	39	31	33	35	41	50	34	28	28	30	29	31	29	29	22	19	32	22	26	21	33	32.6	
GRENOBA	MAX	57	66	75	76	77	68	48	46	59	63	55	58	65	75	78	84	71	51	68	63	50	43	43	41	50	49	56	45	38	55	57	59.0	
	MIN	23	35	41	42	45	44	35	31	27	35	29	27	37	36	43	46	37	21	28	32	32	25	19	28	23	9	30	21	22	20	28	30.7	
HANKINSON R R STATION	MAX	42	47	62	67	73	88	57	41	54	66	63	55	48	62	76	78	76	45	51	60	68	59	55	55	50	49	56	51	42	55	58.4		
	MIN	27	28	32	32	52	42	35	36	36	48	45	40	28	30	48	48	35	27	25	35	35	35	26	28	18	23	31	33	21	24	33.4		
HANNAM	MAX	43	62	68	72	79	82	62	38	53	61	57	46	47	71	75	83	73	44	55	57	53	59	47	54	44	45	50	45	37	53	45	56.8	
	MIN	16	25	28	42	45	38	34	30	20	43	40	35	30	28	36	42	35	27	25	32	29	35	26	23	23	15	36	27	27	19	35	30.5	
HANSBORO	MAX	48	64	70	70	78	82	65	39	55	65	58	50	49	73	78	82	71	51	57	56	53	58	48	57	44	44	50	44	39	54	48	58.1	
	MIN	14	27	29	42	46	40	32	28	19	43	37	34	30	28	39	45	35	21	24	30	31	33	22	19	23	16	34	25	27	20	35	29.9	
HETTINGER	MAX																																	
	MIN																																	
HILLSBORO	MAX	49	63	67	77	85	85	65	43	53	62	62	53	49	61	76	81	75	48	51	58	62	60	55	57	49	48	54	50	45	58	54	59.8	
	MIN	24	27	35	45	44	44	43	35	36	42	49	41	38	28	46	44	45	34	23	34	33	47	32	25	31	18	36	32	35	24	39	35.8	
JAMESTOWN FAA AIRPORT	MAX	51	66	72	75	81	81	50	38	56	62	61	55	52	69	78	83	68	50	54	63	62	54	54	59	48	48	53	42	38	58	55	59.2	
	MIN	25	30	33	48	45	41	37	34	27	51	47	40	34	29	46	46	41	27	23	34	30	32	30	26	24	19	38	28	27	25	34	33.9	
JAMESTOWN STATE HOSP	MAX	51	61	72	74	82	83	68	39	52	62	60	54	50	70	80	83	69	48	55	63	59	56	53	59	46	47	53	46	38	57	54	59.5	
	MIN	26	31	34	48	47	41	39	34	28	48	50	46	42	30	46	43	43	35	22	33	32	39	30	25	28	19	39	31	33	24	36	35.5	
KEENE 2 S	MAX	54	65	74	73	72	78	46	50	58	64	60	58	64	76	80	82	51	52	51	63	44	34	46	24	46	46	43	56	43	36	55	58	56.8
	MIN	34	34	36	42	40	34	25	28	30	34	30	34	38	40	45	27	22	27	28	26	22	24	24	20	22	30	23	18	18	26	29.4		
KENMARE	MAX	42	54	65	72	75	77	74	44	41	57	65	50	55	56	75	82	81	45	51	62	58	48	38	44	44	45	49	23	30	23	30	31.3	
	MIN	18	23	31	42	48	50	38	30	26	27	29	30	30	34	39	55	43	23	27	31	32	33	25	23	25	19	22	23	30	23	30		
KENSAL WILDLIFE REFUGE	MAX	50	67	73	76	83	85	82	39	57	67	59	59	52	71	79	84	72	50	56	63	61	61	54	60	49	48	53	55	41	59	56	62.0	
	MIN	25	28	30	45	49	39	39	33	25	46	47	45	44	27	47	47	48	44	23	36	32	44	30	25	28	16	29	27	33	19	28	35.2	
LANGDON EXP FARM	MAX	44	62	68	73	77	84	74	39	53	60	58	50	46	69	75	79	75	45	54	57	54	57	47	55	50	41	48	49	42	52	48	57.6	
	MIN	16	25	29	40	40	42	34	28	29	41	39	34	34	26	34	40	37	30	22	30	24	37	24	21	20	15	31	21	28	18	32	29.7	
LARIMORE	MAX	48	64	69	75	83	83	73	39	58	60	60	48	48	66	77	81	66	45	52	57	58	44	30	25	27	15	37	26	32	20	37	58.8	
	MIN	23	25	29	45	49	43	37	33	22	36	39	32	37	27	49	45	41	35	24	33	30	44	30	25	27	15	37	26	32	20	37	33.6	
LEEOS	MAX	44	64	70	70	78	80	65	39	55	65	59	50	47	74	77	79	68	46	57	67	56	56	49	52	45	46	52	45	39	53	48	57.9	
	MIN	22	33	31	48	51	50	38	33	25	47	44	40	37	32	45	49	42	36	29	33	31	34	30	28	24	17	38	18	29	23	32	34.4	
LINTON	MAX	57	59	75	79	84	86	69	41	59	66	62	59	66	73	83	85	68	54	60	64	64	55	55	59	54	53	58	55	40	62	59	63.3	
	MIN	32	33	30	41	37	36	39	33	28	49	41	39	30	30	34	35	35	22	18	35	28	36	28	25	22	22	42	25	22	18	23	31.3	
LISBON	MAX	49	65	70	78	85	85																											

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICH 4 SW	MAX MIN	45 19	63 28	69 29	73 42	76 41	82 40	60 35	39 30	53 21	62 43	57 41	45 37	46 34	71 21	74 35	79 41	63 40	45 32	54 24	57 33	53 28	57 34	48 25	54 23	45 20	44 18	50 21	45 20	40 25	55 20	46 33	56.5 30.1
NAPOLEON	MAX MIN	50 31	67 35	71 36	73 39	80 42	82 45	64 37	38 33	57 26	65 49	62 42	57 45	65 36	68 31	79 43	81 45	68 47	50 27	57 24	68 40	54 28	52 35	56 31	48 26	55 23	55 24	48 27	37 22	58 22	56 30	60.7 34.8	
NEW ENGLAND	MAX MIN	56 27	66 32	73 36	74 39	79 42	77 38	53 37	40 32	54 25	63 35	62 36	66 33	65 29	76 31	83 38	82 49	69 39	49 26	61 23	69 29	50 31	47 30	50 32	49 30	51 24	59 35	43 27	36 23	58 21	60 30	60.3 31.7	
NEW SALEM 1 SE	MAX MIN	47 29	57 40	73 42	81 47	85 51	85 48	51 36	38 30	55 28	61 43	63 39	55 36	66 37	74 36	80 51	86 53	66 32	53 31	59 32	61 33	55 31	52 32	52 36	53 38	50 26	51 22	61 35	48 27	53 20	57 31	60.5 36.0	
NEWTOWN	MAX MIN	54 27	63 36	74 37	73 45	78 50	75 40	52 39	44 32	57 29	63 37	58 36	58 33	64 26	77 36	83 31	80 26	70 36	52 33	62 22	62 35	50 30	47 29	47 28	46 26	47 28	50 26	57 32	54 25	40 31	55 32	59.6 32.9	
OAKES	MAX MIN	38 25	48 30	67 32	70 34	75 40	85 44	85 45	55 35	43 25	56 36	62 50	62 47	56 42	51 29	61 33	82 44	85 44	71 33	51 22	54 23	66 36	65 38	62 30	55 25	60 30	48 18	52 21	56 29	50 31	41 24	58 27	60.3 33.3
PARK RIVER	MAX MIN	45 23	63 29	69 30	74 48	81 53	85 49	82 39	40 34	56 25	60 43	60 47	52 40	50 39	68 68	78 48	80 50	77 46	46 34	53 25	56 30	58 31	62 50	55 31	53 28	44 20	51 27	49 28	46 20	55 37	53 24	59.7 35.5	
PARSHALL	MAX MIN	52 22	64 34	73 32	75 38	78 46	74 42	50 37	42 28	55 25	61 38	58 44	61 44	63 39	77 32	82 41	65 43	52 21	62 40	59 18	50 23	49 22	50 24	49 26	48 22	50 22	58 26	42 18	38 20	55 26	56 26	59.2 29.5	
PEMBINA	MAX MIN	49 22	54 25	68 26	77 43	89 43	88 42	80 40	60 32	60 23	60 42	60 43	47 38	53 37	66 26	81 40	89 44	77 47	49 28	51 23	57 35	57 32	63 44	49 33	53 22	48 27	45 16	51 37	49 26	39 34	54 23	47 35	60.3 33.2
PETERSBURG	MAX MIN	45 22	62 25	68 32	71 46	80 47	84 44	68 37	57 31	46 24	57 43	46 36	46 38	67 36	75 29	79 45	65 45	44 40	51 35	55 24	53 33	60 38	50 27	56 27	47 24	43 19	49 35	45 23	38 30	52 30	47 33	56.5 33.0	
PETTIBONE	MAX MIN	50 28	60 37	71 33	82 43	80 43	82 43	66 36	37 25	56 25	65 48	59 44	52 44	52 39	74 44	78 40	81 43	68 42	47 28	56 23	61 28	58 31	52 28	55 29	45 26	47 21	56 28	45 26	37 28	55 21	55 32	58.9 34.0	
PORTAL	MAX MIN	43 19	55 28	65 38	73 43	75 48	76 42	70 36	45 30	42 19	59 34	65 30	49 25	53 29	54 33	77 42	85 43	81 41	43 20	50 26	64 29	59 32	45 30	37 22	42 25	42 23	44 22	49 27	56 24	43 28	39 22	52 31	55.9 30.5
POWERS LAKE 1 N	MAX MIN	44 17	55 33	65 32	73 38	77 44	77 44	71 36	43 30	62 27	56 31	62 30	50 23	58 29	61 34	75 32	80 40	81 40	68 16	47 22	62 25	51 32	44 21	41 25	42 19	45 21	47 25	56 18	46 20	39 20	54 23	56.1 27.8	
RAUB 10 SSW	MAX MIN	55 36	65 40	74 43	73 48	75 40	69 39	58 35	45 30	54 29	68 36	63 34	61 33	65 36	80 40	82 45	68 40	51 29	55 31	62 34	50 32	49 30	47 32	49 29	51 29	58 29	42 24	37 25	56 25	59 34	59.8 34.8		
RICHAROTON ABBEY	MAX MIN	55 29	66 37	73 40	72 44	78 46	81 47	58 37	38 26	54 28	64 39	60 38	59 34	64 36	75 34	81 40	71 50	50 27	60 26	59 35	53 32	48 32	50 29	50 25	49 25	51 27	59 37	52 27	36 18	57 31	56 31	60.0 34.3	
RIVEROALE	MAX MIN	44 29	50 35	65 33	74 43	72 49	77 45	75 41	42 30	50 25	68 30	57 42	57 33	62 35	75 36	80 42	80 51	40 31	50 26	60 29	53 33	48 30	50 30	43 25	48 28	54 25	58 24	42 25	34 22	53 30	57.8 33.4		
ROLLA	MAX MIN	46 20	65 32	70 36	70 46	76 46	80 45	56 46	38 26	53 24	63 47	55 40	50 37	48 32	72 40	78 48	80 46	64 30	48 26	56 26	56 34	56 34	47 24	54 25	43 23	44 18	51 32	43 20	39 25	52 30	46 32	56.5 32.5	
RUGBY	MAX MIN	45 22	66 32	72 34	72 44	80 49	80 46	69 39	41 32	56 25	66 47	62 40	58 37	52 35	77 32	80 41	82 44	76 44	48 36	58 27	58 32	57 32	51 36	50 28	50 28	46 28	47 21	53 28	52 22	41 32	54 31	52 31	59.7 34.1
SAN HAVEN	MAX MIN	43 18	64 32	69 36	69 44	76 41	77 43	62 36	40 29	54 21	63 46	59 40	50 35	48 36	74 32	76 42	80 40	75 38	48 22	56 39	55 33	52 33	48 33	47 28	53 25	45 22	43 23	55 36	50 30	40 17	52 32	57.1 32.7	
SHARON	MAX MIN	46 23	63 26	68 33	73 48	81 45	82 46	67 36	38 26	55 26	59 44	58 41	47 39	46 39	64 28	75 44	76 40	64 35	52 25	56 33	55 32	60 41	52 28	57 26	47 19	44 15	50 25	44 25	39 25	55 34	50 35	57.0 34.1	
STANLEY	MAX MIN	51 19	64 38	73 39	74 45	77 49	73 43	43 37	43 29	56 25	63 36	55 34	59 24	61 29	75 33	81 40	80 52	66 24	51 24	61 22	59 27	48 30	44 27	45 23	44 20	45 24	49 21	56 29	46 25	37 26	54 29	56 31	57.7 31.4
STEELE	MAX MIN	66 38	71 35	75 45	82 45	83 44	83 44	70 40	40 32	58 27	65 47	62 42	58 44	61 34	68 33	79 43	82 46	75 44	48 26	58 39	65 30	62 39	54 30	52 32	54 26	48 21	41 30	58 33	40 21	58 33	58 32	61.7 35.6	
TIOGA 1 E	MAX MIN	44 22	57 30	65 35	74 39	75 43	77 47	70 38	43 33	44 23	58 30	63 33	52 23	59 28	64 34	75 39	80 44	82 40	43 18	49 21	65 30	42 32	48 37	43 23	44 22	44 22	48 28	56 20	45 25	38 20	53 25	56.2 29.8	
TOWNER	MAX MIN	47 20	67 33	74 32	74 39	82 46	82 46	57 39	42 31	57 24	73 39	63 38	50 39	54 33	78 39	82 37	84 41	78 40	59 27	57 31	58 31	58 36	52 29	53 28	47 22	47 19	55 28	47 21	45 25	55 31	52 31	60.6 32.8	
TROTTERS 3 S	MAX MIN	57 26	65 37	73 44	72 46	78 49	69 45	48 35	52 33	60 24	64 33	75 32	81 29	81 35	65 39	51 48	65 52	43 27	66 26	50 33	41 24	50 28	48 24	52 28	55 32	43 25	34 29	53 27	58 20	58 19	58.6 33.0		
TURTLE LAKE	MAX MIN	51 32	66 35	74 36	75 46	80 49	82 49	61 39	55 32	55 27	65 44	63 34	58 34	64 34	77 40	82 48	82 48	65 44	51 25	59 30	60 31	54 27	52 31	51 29	48 27	53 32	60 32	47 25	38 32	56 36	61.2 34.7		
TUTTLE	MAX MIN	50 30	65 31	72 36	71 41	81 45	82 35	71 36	39 23	57 23	63 38	61 40	57 30	57 30	68 40	78 42	82 46	77 47	47 20	57 20	62 29	58 31	53 28	52 25	47 25	50 16	58 20	56 31	61.6 31.5				
UNOERWOOD 4 ESE	MAX MIN	49 32	63 36	72 40	72 43	79 45	79 44	60 38	42 32	55 26	68 44	58 39																					

Continued

DAILY TEMPERATURES

NORTH DAKOTA
OCTOBER 1961

Continued		Day Of Month																															Average
Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	48	64	73	73	81	80	62	37	56	64	59	57	62	73	79	82	68	48	47	60	54	52	51	51	47	51	59	49	37	57	55	59.5
	MIN	32	34	40	43	44	45	36	30	25	45	29	37	38	40		51	43	28	25	34	29	34	32	30	26	24	36	26	31	21	34	34.1
WISHEK	MAX	44	54	67	72	77	80	81	53	42	58	66	64	60	66	67	79	83	65	52	56	67	63	54	52	57	50	53	57	47	38	59	60.7
	MIN	28	36	34	40	37	38	41	33	27	34	42	41	29	28	35	38	41	27	16	27	26	34	32	23	27	12	30	26	32	21	24	30.9

EVAPORATION AND WIND

Station		Day of month																														Total Evap	Avg
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
RIVERDALE	EVAP	-	.10	.15	.16	.14	.16	.17	.14	.09	.11	.13	.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	71	46	85	88	124	110	119	182	79	166	125	72	64	118	87	73	143	173	54	202	93	141	373	144	214	122	221	67	205	127	176	4064
	MAX	45	50	56	64	63	65	63	42	40	49	59	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	30	33	36	41	43	43	41	30	30	30	41	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILLISTON EXP FARM	EVAP	*	.33	.27	.29	.45	.26	.22	.11	.17	.17	.19	.15	.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	50	117	87	122	155	94	105	63	80	51	99	49	80	78	93	134	*	248	77	35	77	198	270	141	36	110	91	117	100	195	96	3248
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MAX AND MIN IN DAILY EVAPORATION TABLE REFER TO EXTREMES OF TEMPERATURE OF WATER IN PAN AS RECORDED DURING THE 24 HOURS ENDING AT TIME OF OBSERVATION.

MONTHLY EXTREMES

Highest Temperature: 90° on the 6th at McLeod 3 E

Lowest Temperature: 9° on the 26th at Grenora

Greatest Total Precipitation: 3.74 inches at Enderlin

Least Total Precipitation: 0.00 at Eight Stations

Greatest one-day Precipitation: 3.40 inches on the 11th at Enderlin

Greatest Total Snowfall: 1.0 inch at Williston Exp Farm

Deepest Snow on Ground: 1 inch on the 23+ at Three Stations

SNOWFALL AND SNOW ON GROUND

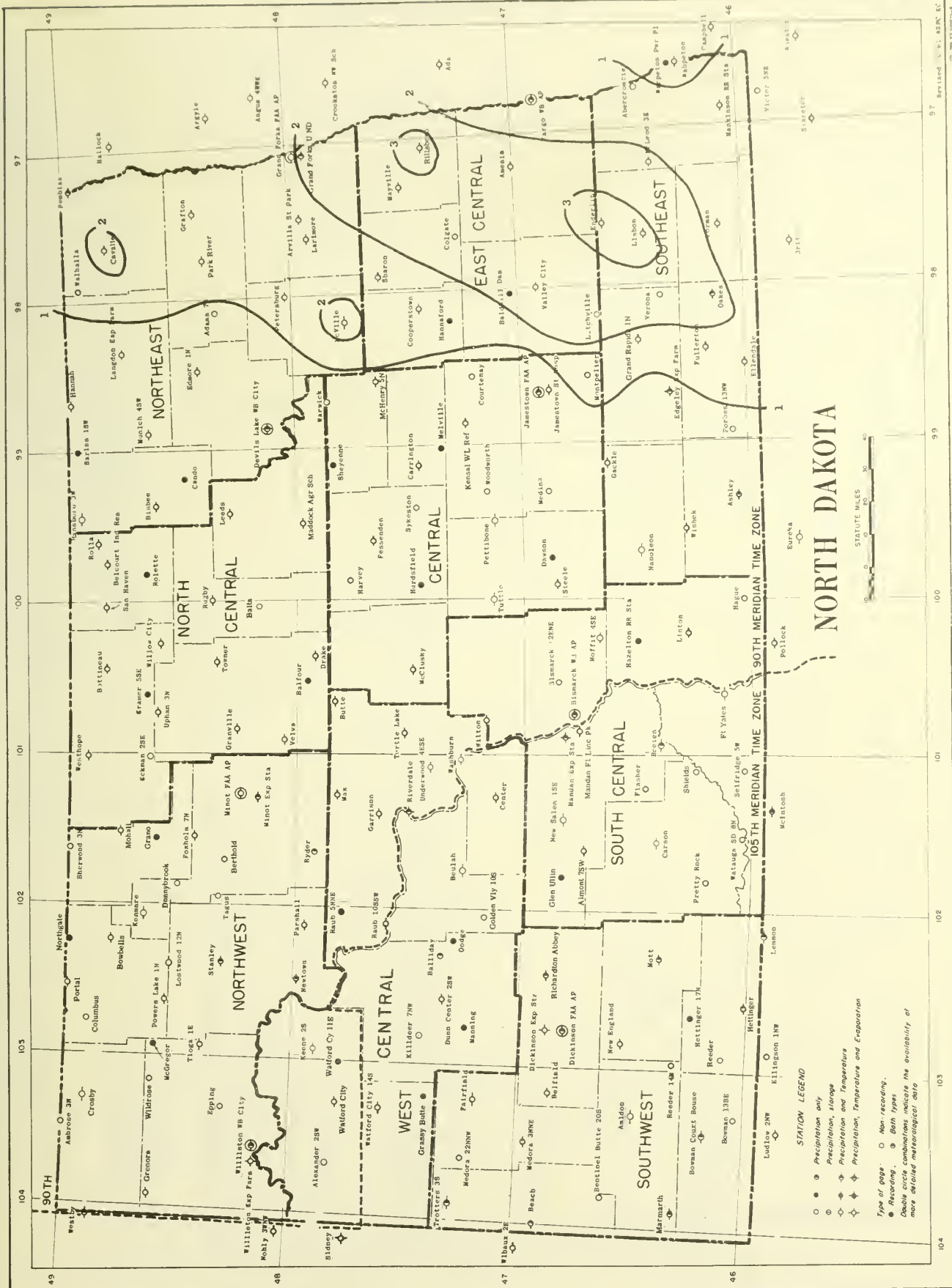
NORTH DAKOTA
OCTOBER 1961

Station		Day of month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	SNOWFALL SN ON GND								T										T															
BEACH	SNOWFALL SN ON GND																		T	T			T											
BELCOURT INDIAN RES	SNOWFALL SN ON GND																						T											
BISMARCK WB AIRPORT	SNOWFALL SN ON GND								T T																					T	T			
BOWBELLS	SNOWFALL SN ON GND																								T									
CENTER	SNOWFALL SN ON GND	T																																
DEVILS LAKE WB CITY	SNOWFALL SN ON GND								T																									
FAIRFIELD	SNOWFALL SN ON GND																						T											
FARGO WB AIRPORT	SNOWFALL SN ON GND																			T														
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND									T																								
GRAND RAPIDS 1 N	SNOWFALL SN ON GND	T																																
MC HENRY 5 N	SNOWFALL SN ON GND									T																								
MINOT FAA AIRPORT	SNOWFALL SN ON GND																															T		
MUNICH 4 SW	SNOWFALL SN ON GND								T																									
PARSHALL	SNOWFALL SN ON GND																								T									
PETERSBURG	SNOWFALL SN ON GND									T																								
PETTIBONE	SNOWFALL SN ON GND								T	T																								
PRETTY ROCK	SNOWFALL SN ON GND																			T					T	T								
SEARON	SNOWFALL SN ON GND									T																								
STANLEY	SNOWFALL SN ON GND																							.5 1										
WILLISTON WB CITY	SNOWFALL SN ON GND																						.5 T											

See reference notes following Station Index.

TOTAL PRECIPITATION

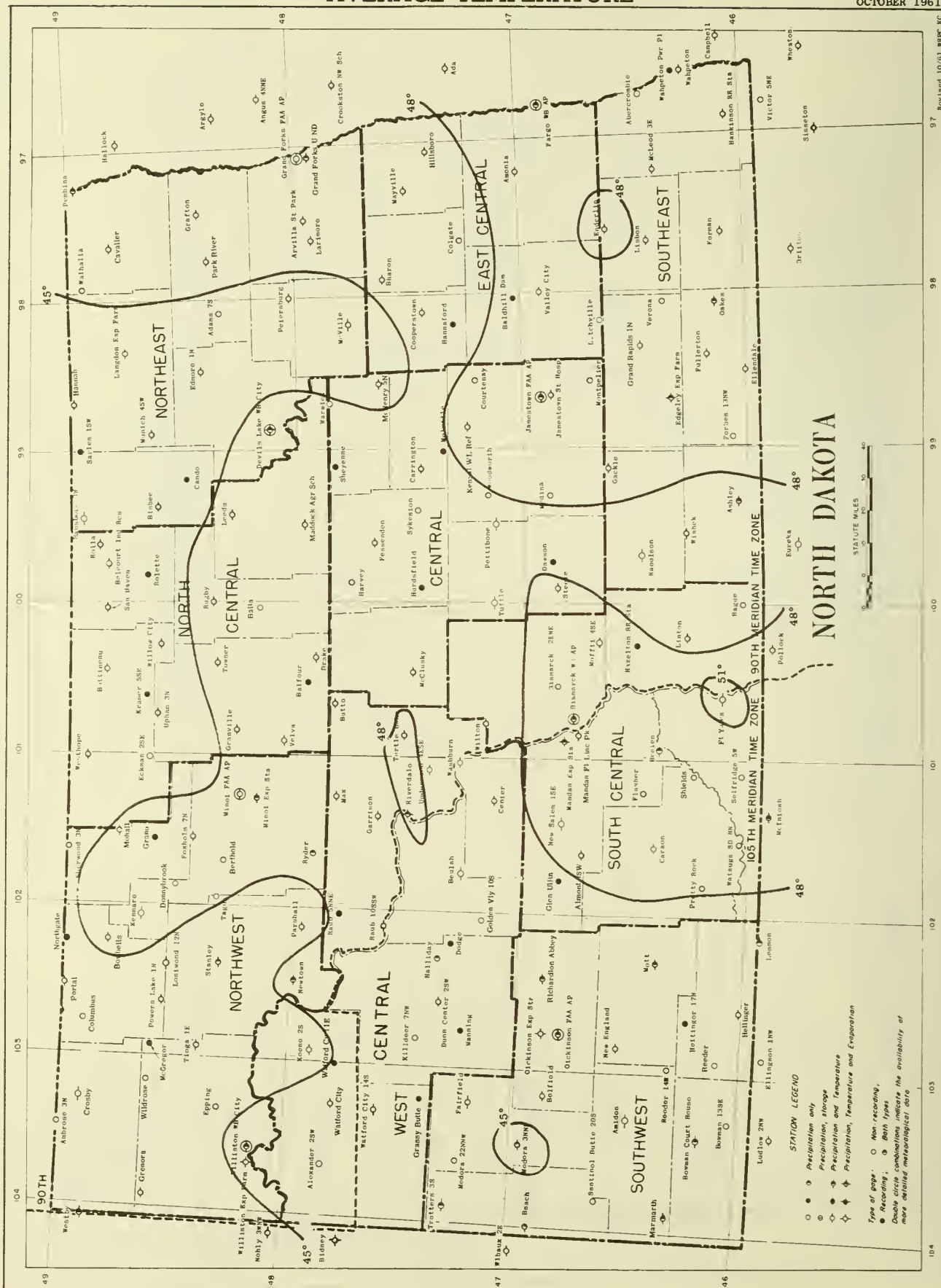
OCTOBER 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

OCTOBER 1961



STATION INDEX

NORTH DAKOTA
(JULY 1961)

STATION	INDEX NO.	COUNTY	DRAINAGE 1	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE 1	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL									TEMP.	PRECIP.	EVAP.	SPECIAL	
ARROWHEAD	0001	RICHLAND	10 46 27	96 45	935	8A	H				HELMER AMUNDSEN	DETHORNE	7047	KIDDER	8 47 07	99 31	1855	TP	H		ARTHUR J. DEWEY		
ADAMS 7 S	0022	WALSH	11 46 20	98 06	1546	8P					MYRON J. BATA	PORTAL	7201	BURKE	12 49 10	102 13	1934	9A	VA		U. S. CUSTOMS OFFICE		
ALEXANDER 2 SW	0096	MCKENZIE	11 47 50	103 40	2170	8A	H				WILLIAM LANZ	POWERS LAKE 1 N	7281	BURKE	8 48 34	102 38	2205	8A	VA		NORMAN J. CLARK		
ALBION 1 SW	0136	MORTON	6 46 43	101 19	2300	7A	TP	H			MOGAN RANSLAND	PRETTY ROCK	7311	GRANT	1 46 10	101 51	2480	8P			N. FREDERICK		
ANDROS 1 N	0189	DIVIDE	12 49 00	103 28	2027	5P	H				U. S. BORDER STATION	RAUN 5 NW	7405	MCKEAN	8 47 48	102 02	1975	6P	VA		CLARA V. HENRICHS		
ARLINGTON	0196	CASS	11 47 00	97 13	980	55	55	H			VIRGIL L. GEBER	RAUN 10 SW	7408	MCKEAN	8 47 36	102 08	1958	6P	VA		LYLE P. HOLAN		
ARVILLA STATE PARK	0209	SLOPE	1 48 25	103 18	2910	8A	6P				FRED FLEENER	REEDER	7450	ADAMS	3 46 08	102 57	2810	6P			A. V. KIFFELSON		
ASHLEY	0262	GRAND FORKS	10 47 56	97 10	980	48	6P				VERNON C. JHOREN	REEDER 14 N	7452	SLOPE	1 46 19	102 57	2784	8A	CA		CHAS. W. HETTINGER		
BALDWIN DAM	0450	BARNES	8 46 02	99 22	2001	55	55	C	H		U. S. CORPS OF ENGINEERS	REEDER 14 N	7452	SLOPE	1 46 19	102 57	2784	8A	CA	H		U. S. CORPS OF ENGINEERS	
BALFOUR	0492	MCKENNEY	12 47 57	100 22	1815	6P		C			MILTON LUCHSINGER	ROLLETT	7655	ROLETTE	12 48 40	99 50	1830	7P	TP		C	HENRY JOHNSON	
BALTA	0500	PIERCE	11 46 15	104 01	1550	7P	TP				ANTON SCHMIDT	ROLLA	7664	ROLETTE	2 48 52	99 31	1819	7P	TP		C	THEO. B. FAGERLUND	
BEACH	0590	GOLDEN VALLEY	7 46 55	104 01	2824	8A	6A				LUTHER P. HODGINS	RUGBY	7704	PIERCE	12 48 22	100 00	1540	8P	6P		C	FRANK HORNSTEIN	
BECKMONT INDIAN RES	0626	ROLETTE	9 48 50	95 45	1860	7P	TP				TURTLE MT INDIAN AGENCY	RUGBY	7704	PIERCE	12 48 22	100 00	1540	8P	6P		C	FRANK HORNSTEIN	
BEELFELD	0649	STARK	4 46 53	103 11	2583	7P	TP				CARL INDERGARD	SAN HAVEN	7824	ROLETTE	12 48 50	100 02	2001	6P	6P		C	STANLEY DOWLING	
BERTHOLD	0729	WARD	12 48 19	101 44	2080	6P					JOAN COX	SAN HAVEN	7824	ROLETTE	12 48 50	100 02	2001	6P	6P		C	STANLEY DOWLING	
BELLEVUE	0786	MERCER	8 47 16	101 47	1780	7P	TP				JOAN COX	SAN HAVEN	7824	ROLETTE	12 48 50	100 02	2001	6P	6P		C	STANLEY DOWLING	
BELLEVUE	0786	MERCER	8 47 16	101 47	1780	7P	TP				JOAN COX	SAN HAVEN	7824	ROLETTE	12 48 50	100 02	2001	6P	6P		C	STANLEY DOWLING	
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BELLEVUE	0786	MERCER	8 47 16	101 47	1780	7P																	

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- B "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- + No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- * And also on an earlier date or dates.
- # Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above and-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substation through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---12-1-61---825

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U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

NOVEMBER 1961
Volume 70 No. 11



ASHEVILLE: 1962

SUPPLEMENTAL DATA

NORTH DAKOTA
NOVEMBER 1961

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation								Percent of possible sunshine	Average sky cover	Average sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total				
BISMARCK WB AIRPORT	NW	13	7.4	37	NW	2	64	68	52	51	16	1	0	0	0	0	17	56	6.5		
DEVILS LAKE WB CITY	S	-	9.3	33	NW	6	-	81	69	68	10	3	1	0	0	0	14	55	7.0		
FARGO WB AIRPORT	NNW	16	12.5	34	NW	2+	76	79	65	68	9	4	0	0	0	0	13	47	6.8		
WILLISTON WB CITY	W	-	7.7	31	W	2	-	78	61	60	2	2	0	0	0	0	4	55	6.3		

CLIMATOLOGICAL DATA

Station	Temperature											Precipitation													
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days				
																		Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More		
										90° or Above	37° or Below	32° or Below	27° or Below												
NORTHWEST DIVISION																									
BOWBELLS	37.5	15.6	26.6		76	11	- 1	30	1149	0	12	28	1	T				T	30+	T			0	0	0
CROSBY	39.0	15.3M	27.2M	1.4	66	10	0	30+	1131	0	11	29	2	.09	- .31	.05	29	1.4	1	30+	0	0	0	0	
FOXHOLM 7 N	43.2	16.7	30.0	3.4	70	10	0	27	1047	0	4	27	1	T	- .57	T	30+	T	0	T	0	0	0	0	
GRENORA	39.8	15.6	27.7		65	10	- 1	29	1113	0	8	29	2	T		T	30+	T	29	0	0	0	0	0	
KENMARE	38.4	16.6	27.5		69	11	1	30	1120	0	11	28	0	.02	- .51	.01	30+				0	0	0	0	
LOSTWOOD 12 N	37.9	12.7	25.3		70	10	- 3	30	1183	0	10	28	2	.02		.02	21	.8	1	21	0	0	0	0	
MINOT FAA AIRPORT	39.1	17.8	28.5		70	10	2	30	1091	0	9	28	0	T		T	30+	T	24+	0	0	0	0	0	
MINOT EXP STATION	// 38.4	16.3	27.4		66	11	2	30	1124	0	11	28	0	.06	- .56	.05	23	1.3	1	25+	0	0	0	0	
MOHALL	40.0	14.4	27.2	1.7	75	11	0	30	1126	0	8	29	1	.02	- .56	.02	30	T	T	30+	0	0	0	0	
NEWTOWN	40.4	18.3	29.4	2.8	64	10	8	30+	1061	0	7	29	0	.09	- .51	.09	23	T	T	30+	0	0	0	0	
PARSHAL'	40.5	15.2	27.9		67	10	3	17	1107	0	6	28	0	.06	- .43	.06	23	T	T	30+	0	0	0	0	
PORTAL	38.0	15.4	26.7	2.2	70	11	- 1	30	1142	0	11	28	1	.09	- .38	.06	21	1.3	1	21	0	0	0	0	
POWERS LAKE 1 N	38.4M	11.9M	25.2M		68	11	0	30	1203	0	29	1		T		T	23+	T	T	23+	0	0	0	0	
STANLEY	38.4	16.2	27.3		66	10	4	30+	1126	0	9	27	0	T		T	30+	T	T	30+	0	0	0	0	
TIOGA 1 E	38.2	12.8	25.5		67	11	2	30+	1177	0	11	30	0	.06	- .56	.03	23	.7	T	24+	0	0	0	0	
WILLISTON WB CITY	//R 40.2	19.5	29.9	1.6	66	10	5	29	1046	0	8	29	0	.09	- .49	.08	22	.5	T	30+	0	0	0	0	
WILLISTON EXP FARM	40.2	17.8	29.0		64	10	2	29	1071	0	6	27	0	.08		.08	23		T	30+	0	0	0	0	
DIVISION														.04	- .46			.4							
NORTH CENTRAL DIVISION																									
BELLCOURT INOIAN RES	35.8	13.4	24.6		59	10	- 8	27	1204	0	11	29	4	.06		.04	21	1.4	1	21	0	0	0	0	
BOTTINEAU	36.0	13.2	24.6	0.8	62	11	- 3	30	1203	0	12	30	2	.07	- .32	.05	5	1.5	1	21+	0	0	0	0	
DRAKE	40.0M	14.9M	27.5M	1.5	69	11	1	30	1138	0	8			.07	- .63	T	23	T	0	T	0	0	0	0	
GRANVILLE	41.5	16.7	29.1	2.6	73	10	3	30+	1070	0	7	28	0	T	- .51	T	30+	T	T	30+	0	0	0	0	
LEEOS	38.9	17.4	28.2		65	10	- 1	30	1098	0	10	27	3	.17		.09	21	3.0	2	23	0	0	0	0	
MAODOCK AGRI SCHOOL	39.8	14.8	27.3	1.6	66	10	- 1	30+	1124	0	7	30	2	.12	- .38	.09	23				0	0	0	0	
ROLLA	37.1	14.8	26.0		60	10	- 4	29	1166	0	9	29	3	.08		.06	21	1.2	1	20+	0	0	0	0	
RUGBY	40.3	17.2	28.8		67	10	1	30	1078	0	7	28	1	.21	- .32	.18	23	2.0	1	24+	1	0	0	0	
SAN HAVEN	37.6	16.4	27.0	3.0	61	10	- 3	30	1132	0	9	29	2	.02	- .41	.02	5	.3	T	30+	0	0	0	0	
TOWNER	41.5	15.9	28.7	3.1	72	10	1	30+	1081	0	6	29	0	.14	- .49	.14	23				1	0	0	0	
UPHAM 3 N	42.2	14.3	28.3		74	10	0	30	1095	0	5	30	1	T		T	30+	T	T	30+	0	0	0	0	
VELVA	42.3	17.8	30.1	2.8	70	10	4	30+	1040	0	6	26	0	.06	- .63	.06	23	.5	T	30+	0	0	0	0	
WESTHOPE	38.3	14.4	26.4	2.1	69	10	0	30+	1153	0	10	30	2	.05		.05	29	2.0			0	0	0	0	
WILLOW CITY	39.2	13.5	26.4	2.5	69	10	- 4	27	1150	0	6	29	4	T	- .54	T	30+	T	T	30+	0	0	0	0	
DIVISION														.07	- .49			1.0							
NORTHEAST DIVISION																									
ARVILLA STATE PARK	38.7M	18.3M	28.5M		65	10	- 1	30	1098	0	6			.12		.11	23	3.0			1	0	0	0	
BISBEE	37.8	16.4	27.1		65	10	- 2	30	1129	0	9	30	2	.07		.07	21	1.0	1	30+	0	0	0	0	
CAVALIER	40.0	18.1	29.1		64	10	0	30	1074	0	6	30	1	.07		.03	29	.5	T	30+	0	0	0	0	
DEVILS LAKE WB CITY	37.4	16.9	27.2	2.1	65	10	- 1	29	1128	0	10	28	2	.25	- .42	.10	21	3.1	2	25+	1	0	0	0	
EMORE 1 N	37.6	15.5	26.6		63	10	- 2	30+	1146	0	11	30	3	.11		.08	23		1	30+	0	0	0	0	
GRAFTON	39.6	17.8	28.7	2.3	63	10	0	24	1081	0	7	29	1	.32	- .58	.27	23				1	0	0	0	
GRAND FORKS FAA AIRPORT	39.9	18.9	29.4		61	11+	0	27	1060	0	5	27	1	.41		.23	23	3.5	2	28+	1	0	0	0	
GRAND FORKS UNIVERSITY	38.5	19.2	28.9	2.9	58	10	- 2	27	1077	0	7	28	1	.60	- .32	.40	23	3.7	2	30+	1	0	0	0	
HANNAH	36.2	14.2	25.2		63	10	- 6	30	1189	0	13	30	3	.17	- .53	.09	21	1.5	1	30+	0	0	0	0	
HANSBRO 3 W	38.2	12.6	25.4	1.7	65	10	- 8	30	1181	0	9	30	3	.05	- .47	.05	21				0	0	0	0	
LANGDON EXP FARM	36.8	15.0	25.9	3.1	62	10	- 5	30	1165	0	14	30	2	.09	- .66	.06	21	.8	1	21	0	0	0	0	
LARIMORE	40.2	17.3	28.8	2.3	65	11+	- 3	27	1081	0	7	29	3	.19	- .59	.16	23				1	0	0	0	
MC VILLE	38.8	15.7	27.3		63	10	- 6	27	1126	0	11	30	3	.25		.25	23	2.5			1	0	0	0	
MUNICH 4 SW	36.3	14.6	25.5		63	10	- 3	30	1177	0	14	29	3	.15		.10	21	2.0	2	30+	1	0	0	0	
PARK RIVER	40.3	19.0	29.7	4.1	65	10	1	30	1051	0	6	29	0	.21	- .42	.19	23		3	23	1	0	0	0	
PEMBINA	38.3	17.7	28.0		60	10	1	30+	1102	0	7	30	0	.06	- .66	.03	16	2.0	2	17+	0	0	0	0	
PETERSBURG	38.1	16.6	27.4		63	10	- 5	27	1122	0	10	30	2	.23	- .34	.21	23	2.3	2	27+	1	0	0	0	
DIVISION														.20	- .52			2.2							
WEST CENTRAL DIVISION																									
BEULAH	44.2	17.1	30.7		73	10	6	17	1023	0	4	28	0	T		T	23+	T	0		0	0	0	0	
BUTTE	40.0	16.9	28.5		67	11	2	30	1090	0	8	28	0	.03		.02	5				0	0	0	0	
CENTER	43.8	19.2	31.5		67	10	8	8	996	0	4	29	0	.03		.03	5	T	T	5+	0	0	0	0	
OUNN CENTER 2 SW	43.0	16.1	29.6	1.8	76	12	7	30+	1057	0	8	30	0	T	- .46	T	5	T	0		0	0	0	0	
GARRISON	39.6	17.8	28.7	1.7	70	11	3	30	1082	0	9	29	0	T	- .62	T	29+	T	0		0	0	0	0	
KEENE 2 S	38.7M	14.0M	26.4M		66	10	2	29	1152	0	9			.14		.06	23	2.7	1	T	30+	0	0	0	
MAX	39.0	15.7	27.4	2.0	64	11	3	30	1120	0	8	30	0	.04	- .55	.03	5	T	T	0		0	0	0	
RAUB 10 SSW	43.4M	20.2M	31.9M		68	10			991	0	4	27	0	T		T	29+	T	0		0	0	0	0	
RIVEROALE	// 39.8	17.7	28.8		66	11	7	30	1078	0	8	30	0	T		T	30+	T	T	23+	0	0	0	0	

CLIMATOLOGICAL DATA

NORTH DAKOTA
NOVEMBER 1961

CONTINUED

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max.								Total	Max. Depth on Ground	Date	10 or More	.50 or More	1.00 or More	
										90° or less	32° or less	32° or less	32° or less											
TURTLE LAKE	42.1	18.4	30.3		67	10	4	27	1032	0	5	28	0	T		T	23+	T	0		0	0	0	
UNDERWOOD	41.7	17.8	29.8		67	10	6	30+	1053	0	7	29	0	T		T	23+	T	0		0	0	0	
WASHBURN	41.6M	18.9M	30.3M	1.4			8	29	1035	0	4	28	0	.01	-	.48	.01	5	T	0	0	0	0	
WATFORD CITY	43.3	18.4	30.9	1.9	69	10	5	29	1018	0	4	29	0	.10	-	.46	.09	23	T	0	0	0	0	
WATFORD CITY 14 S	45.9	19.6	32.8		73	10	7	29	956	0	3	28	0	.04			.03	1	T	0	0	0	0	
WILTON	41.4	18.0	29.7		62	10+	6	30	1052	0	8	28	0	T			T	27+	T	0	0	0	0	
DIVISION			29.8	2.6										.03	-	.52		.2						
CENTRAL DIVISION																								
CARRINGTON	39.5	16.4	28.0	2.2	65	11	2	30	1104	0	9	30	0	.07	-	.51	.07	23	1.0	1	23	0	0	0
FESSENDEN	41.8	16.0	28.9	2.7	67	10	3	30	1075	0	7	29	0	.18	-	.50	.08	22	.5	T	27+	0	0	0
JAMESTOWN FAA AIRPORT	41.1	16.2	28.7		65	10	1	27	1083	0	7	29	0	.01	-		.01	21	T	T	7+	0	0	0
JAMESTOWN STATE HOSP	41.9	18.7	30.3	2.3	66	10	4	30+	1035	0	6	29	0	T	-	.67	T	30+	T	T	5	0	0	0
KENSAL WILDLIFE REFUGE	43.9	16.8	30.4		65	10	3	30	1032	0	5	30	0	.03	-		.03	23	.5	T	23+	0	0	0
MC CLUSKY	41.2	15.0M	28.1M	1.1	64	10	2	30+	1086	0	6	29	0	.03	-	.62	.01	27+	.3	T	27+	0	0	0
MC HENRY 5 N	39.9	15.2	27.6		65	10	5	27	1117	0	8	30	2	.12	-		.10	23	1.2	1	23	1	0	0
PETTIBONE	40.9	17.8	29.4	3.0	62	10+	3	30	1062	0	7	30	0	T	-	.50	T	29+	T	0	0	0	0	
STEELE	43.3	19.2	31.3	3.9	64	10	6	27	1005	0	6	30	0	T	-	.45	T	30+	T	T	30+	0	0	0
TUTTLE	41.8	15.7	28.8		62	10	2	27	1078	0	7	30	0	.01	-		.01	21	.1	T	21+	0	0	0
DIVISION			29.2	2.5										.05	-	.54		.4						
EAST CENTRAL DIVISION																								
AMENIA	41.6	20.0	30.8		62	1	4	27	1016	0	4	28	0	.08	-		.05	30	T	0	0	0	0	
COOPERSTOWN	40.7	18.4	29.6		64	10	0	27	1059	0	6	29	1	.10	-	.55	.08	23	.6	T	30+	0	0	0
FARGO WA AIRPORT	39.9	20.2	30.1	2.5	59	1	4	27	1039	0	6	28	0	.06	-	.81	.02	30+	.5	T	30+	0	0	0
HILLSBORO	41.3M	21.0M	31.2M	3.9	58	1	4	27	1007	0	4	28	0	.12	-	.54	.09	21	.5	T	21	0	0	0
MAYVILLE	38.8	19.5	29.2	1.5	58	11	1	27	1067	0	7	28	0	.10	-	.54	.06	21	.7	T	30+	0	0	0
SHARON	38.9	17.0	28.0	2.2	63	11	5	27	1105	0	10	30	2	.12	-	.62	.12	23	1.0	1	27+	1	0	0
VALLEY CITY	37.0M	16.5M	26.8M	- 1.8			0	27	1154	0	6	30	1	.09	-	.65	.03	30+		T	6+	0	0	0
DIVISION			29.4	2.2										.10	-	.60		.6						
SOUTHWEST DIVISION																								
AMIDON	41.7M	18.6M	30.2M				9	3	1070	0	9	30	0	.10	-		.03	26+			0	0	0	
BEACH	40.6	17.2	28.9		67	11	7	30+	1075	0	8	29	0	.14	-		.07	12	2.0	1	27+	0	0	0
BEFIELD	42.8	18.7	30.8		70	10	9	29+	1023	0	4	28	0	.17	-		.11	12	2.0		1	0	0	0
BOWMAN COURT HOUSE	41.4M	17.3M	29.4M	- 0.6	69	10	7	22+	1090	0	7		0	.04	-		.02	19+		T	26+	0	0	0
DICKINSON FAA AIRPORT	42.5	18.0	30.3		73	10	9	29	1035	0	5	30	0	T	-	.55	T	26+	T	0	0	0	0	
DICKINSON EXP STATION	42.5	16.2	29.4	1.5	71	11	7	22+	1060	0	7	29	0	T	-		T	26+	T	0	0	0	0	
FAIRFIELD	40.8	18.3	29.6		68	10	5	29	1054	0	7	27	0	.07	-		.07	1	T	21	0	0	0	
HETTINGER	43.7	19.6	31.7	0.9	70	10	11	29+	992	0	3	29	0	T	-	.36	T	25	T	T	25	0	0	0
MARMARTH	42.2	16.6	29.4	- 0.7	70	11	7	19	1058	0	9	30	0	.20	-	.25	.10	15	1.2	1	15+	1	0	0
MEDORA 3 NNE	44.9	12.6	28.8		75	10	0	18	1079	0	3	30	1	T	-		T	26+	T	T	26+	0	0	0
MOTT	44.7	15.4	30.1	0.2	73	10	9	22+	1019	0	2	29	0	T	-	.44	T	30+	.5	0	0	0	0	
NEW ENGLAND	44.1	17.6	30.9	0.7	71	10	9	22+	1019	0	2	29	0	.04	-	.48	.04	12	.5	0	0	0	0	
RICHARDSON ABBEY	44.2	19.6	31.9	2.3	70	10	9	29	983	0	3	27	0	.02	-	.80	.02	3	.4	T	5+	0	0	0
TROTTERS 3 S	40.6	18.3	29.5		67	10	5	29	1059	0	7	28	0	.01	-	.53	.01	23	1.1	T	23+	0	0	0
DIVISION			30.1	0.4										.06	-	.43		.6						
SOUTH CENTRAL DIVISION																								
ALMONT 7 SW	43.0	20.3	31.7		70	10	9	3	994	0	4	28	0	T	-		T	29+	T	T	4	0	0	0
BISMARCK W8 AIRPORT	43.0	18.6	30.8	2.4	67	1	10	27+	1017	0	4	28	0	.01	-	.52	.01	5	.1	T	30+	0	0	0
BREIEN	45.5	16.0	30.8		68	10	5	18	1020	0	4	30	0	T	-		T	30+	T	0	0	0	0	
CARSON	42.5	17.0	29.8	0.5	69	11	10	20+	1050	0	4	30	0	T	-	.55	T	15+	T	0	0	0	0	
FORT YATES	44.2	18.2	31.2	0.3	69	2	9	27	1007	0	5	30	0	.12	-	.24	.12	15		T	30+	1	0	0
LINTON	46.0	16.4	31.2	1.9	67	1	4	17	1004	0	3	30	0	.07	-	.33	.06	15	.5	T	30+	0	0	0
MANDAN EXP STATION	42.0	18.3	30.2	1.9	67	11	6	27	1038	0	5	28	0	T	-	.59	T	30+	T	T	30+	0	0	0
MANDAN FT LINCOLN PARK	44.5	19.8	32.2		65	10+	7	27	977	0	4	29	0	.02	-		.02	30	T	T	30+	0	0	0
MOFFIT 4 SE	43.1M	16.5M	29.8M		64	1	4	27	1046	0	5	30	0	T	-		T	30+	T	T	30+	0	0	0
NEW SALEM 1 SE	42.8	19.5	31.2	2.4	68	10	7	27	1009	0	5	27	0	.01	-	.46	.01	30	T	0	0	0	0	
DIVISION			30.9	1.5										.02	-	.48		.1						
SOUTHEAST DIVISION																								
ASHLEY	44.0	15.6	29.8	1.7	69	10	5	17	1048	0	5	30	0	.06	-	.36	.06	15	2.0	1	15	0	0	0
EDGELEY EXP FARM	42.5	17.2	29.9	1.9	67	2	6	30	1048	0	4	30	0	.06	-	.40	.06	15	.5	1	15	0	0	0
ELLENDALE	44.0	19.8	31.9	2.6	67	1	7	30	985	0	3	30	0	.09	-	.54	.09	15	1.0	1	17+	0	0	0
ENDERLIN	40.6	19.2M	29.9M		63	2	4	27	1041	0	5	28	0	T	-		T	22+	T	0	0	0	0	
FORMAN	42.8	20.2	31.5		68	1	6	29	999	0	4	29	0	T	-	.64	T	21+	T	0	0	0	0	
FULLERTON	43.7	19.7	31.7	2.3	66	1	7	30	992	0	3	30	0	.08	-	.78	.06	15	.5	0	0	0	0	
GACKLE	41.7	17.9	29.8		65	10+	5	30	1047	0	5	29	0	.03	-		.02	12	T	T	27+	0	0	0
GRAND RAPIDS 1 N	43.8	17.9	30.9		65	1	5	30	1020	0	3	30	0	.14	-		.11	16		T	5	1	0	0
HANKINSON R R STATION	41.4	18.9	30.2	1.5	67	2	7	30	1036	0	6	28	0	.11	-	.58	.06	16		T	5+	0	0	0
LISBON	44.2	19.8	32.0	3.0	65	1	5	30+	985	0	2	28	0	.01	-	.66	.01	30	T	T	5+	0	0	0
MC LEOD 3 E	42.9	18.7	30.8	1.6	66	1	4	27	1019	0	2	29	0	.										

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DAILY PRECIPITATION

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Station	Total	Day of Month																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
POWERS LAKE 1 N	T																					T												
PRETTY ROCK	.06												.02			.04																		
RAIM 10 SSW	T																								T									
REEDER	.14												.02			.09																		
REEDER 14 N	T													T								T												
RICHARDSON ARREY	.02	T		.02	T								T		T							T												
RIVERDALE	T					T												T				T	T											
ROLLA	.08					T																.06												
RUGBY	.21				.01	.01																			.18									
RYDER	.03				T	T																T			.05									
SAN HAVEN	.02				T	T	.02		T								T																	
SELFIDGE 4 W	.01															.01																		
SENTINEL BUTTE 20 S	.14	.05											.04			T																		
SHARON	.12																								.12									
SHERWOOD 3 N	.16					T											T							.06										
SHIELDS	.00																																	
STANLEY	T					T																T	T	T										
STEELE	T					T	T							T																				
SVENSTON	T																																	
TAGUS	.02						T		T													.01			.01									
TOGA 1 E	.06				.02	.01																												
TOWNER	.14																					T												
TROTTERS 3 S	.01	T	T	T	T	T							T				T						T		.01									
TURTLE LAKE	T																																	
TUTTLE	.01					T	T						T										.01											
UNDERWOOD	T																																	
UPHAM 3 N	T					T																												
VALLEY CITY	.09						T	.03							.02	.01																		
VELVA	.06							T																										
VERONA	T																																	
WAMPETON	.16				.11	.03	.02																											
WALHALLA	.06																																	
WARWICK	.15					T	T						T																					
WASHBURN	.01						T	.01																										
WATAUGA 5 DAKOTA 8 N	T																																	
WATFORD CITY	.10																																	
WATFORD CITY 14 S	.04	.03			.01																													
WESTHOPE	.05					T	T		T																									
WILOROSE	.12																																	
WILLISTON WB CITY	.09				.03	.01																												
WILLISTON WB CITY																																		
WILLISTON EXP FARM	.08																																	

See reference notes following Station Index.

DAILY TEMPERATURES

NORTH DAKOTA
NOVEMBER 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALMONT 7 SW	MAX	63	43	32	24	35	53	38	58	52	70	50	46	44	58	39	34	39	39	43	37	36	45	42	46	41	27	33	54	37	31	43.0	
	MIN	33	14	9	18	18	11	23	14	24	31	39	24	20	32	31	23	15	15	15	17	17	15	25	25	24	16	10	25	13	12	20.3	
AMENIA	MAX	62	55	32	36	32	40	43	43	44	58	59	53	39	49	45	37	34	42	36	41	34	37	39	46	39	31	29	43	35	36	41.6	
	MIN	33	30	15	20	26	14	28	11	23	21	25	20	13	26	34	26	14	13	13	17	25	29	26	19	19	20	4	17	5	15	20.0	
AMIOON	MAX	58	52	22	30	23	36	52	69	62	62			17	49	54	31	31	33	34	32	36	42	44	43	48	49	44	50	26	41.7		
	MIN	32	12	9	13	11	18	26	19	23	32	29		17	29	25	22	13	13	15	19	14	12	17	18	16	13	24	27	10	10	18.6	
ARVILLA STATE PARK	MAX	50		34	32	40	41	42	50	40				40	49	42	36	39	42	39	36	34	36	34	32	30	28	29	35	35	25	38.7	
	MIN			18	25	25	15	26			23	25	26	8	25	32	23	19	20	18	18	27	27	19	8	14	4	4	8	3	10	18.3	
ASHLEY	MAX	66	57	37	31	27	42	41	53	50	69	63	51	42	58	44	32	33	37	37	39	38	40	41	49	60	41	25	49	37	30	44.0	
	MIN	29	17	6	15	19	11	18	6	16	20	21	23	8	8	27	13	5	10	16	8	26	22	24	26	21	8	11	15	14	6	15.6	
BEACH	MAX	61	56	21	31	20	32	51	37	53	62	67	51	30	42	50	31	33	37	38	38	34	34	43	42	53	33	25	43	48	21	40.6	
	MIN	30	12	10	10	7	7	22	16	21	23	34	26	11	15	26	24	13	14	15	12	16	12	20	22	27	18	13	24	8	7	17.2	
BELCOURT INDIAN RES	MAX	49	44	23	25	31	47	43	49	45	59	55	45	39	41	36	30	33	39	35	32	29	34	33	29	25	24	18	35	35	12	35.8	
	MIN	29	14	4	14	21	11	20	10	20	27	33	23	4	26	22	18	-1	12	16	10	24	7	18	5	16	13	-8	6	-5	-6	13.4	
BELFIELD	MAX	56	36	32	33	31	54	38	59	61	70	54	37	42	53	34	33	38	38	39	36	33	45	43	54	35	23	49	51	30	46	42.8	
	MIN	34	13	11	14	16	18	24	13	15	29	33	29	18	29	26	16	12	9	14	10	17	12	19	26	23	19	19	19	9	14	18.7	
BEULAH	MAX	65	45	33	26	36	54	43	61	55	73	56	43	48	56	42	36	43	45	44	40	37	48	43	41	34	29	48	53	31	28	44.2	
	MIN	38	16	10	17	20	10	22	9	13	25	28	23	18	34	30	20	6	8	14	10	18	7	18	22	18	14	7	15	13	11	17.1	
BISBEE	MAX	53	44	26	29	31	49	44	50	45	65	54	48	40	45	38	33	35	41	38	31	33	35	35	30	27	27	21	35	35	16	37.8	
	MIN	31	19	19	17	24	15	23	11	23	27	28	25	9	30	23	20	10	10	17	12	21	12	13	12	16	10	5	12	-1	-2	16.4	
BISMARCK WB AIRPORT	MAX	67	37	34	29	34	55	40	55	51	63	59	39	42	62	42	40	41	42	40	40	37	42	43	44	43	34	28	51	30	27	43.0	
	MIN	35	19	15	19	15	14	13	12	18	27	23	22	19	33	32	15	12	15	19	15	19	17	25	24	21	10	14	13	12	18	16.6	
BOTTINEAU	MAX	46	50	22	21	28	31	51	27	50	48	62	49	30	43	41	30	43	41	42	40	33	31	38	33	37	30	30	24	39	11	36.0	
	MIN	32	15	7	15	18	7	20	7	15	21	26	26	7	17	22	20	6	10	14	11	11	8	11	10	18	13	-1	7	5	-3	13.2	
BOWBELLS	MAX	53	53	19	24	24	31	51	30	51	53	76	51	39	46	41	33	29	44	33	29	42	39	33	31	27	39	33	32	24	27	35	37.5
	MIN	37	10	10	10	10	15	23	13	21	25	36	21	16	22	21	20	13	14	15	12	14	7	12	14	17	18	6	15	3	-1	15.6	
BOWMAN COURT HOUSE	MAX	58		34	21	31	50	38	58	62	69	52	29	45		31	33	33	37	31	34	41		43	54	41	24	45	51	21	53	41.4	
	MIN		12	14	14	13	22	20	28	22	22	17					9	12	13	13	13	20		24	28	19	20	24	14	12	11	17.3	
BREIEN	MAX	65	53	35	32	35	55	48	58	52	68	59	50	43	62	54	36	40	39	38	40	38	46	44	42	50	31	31	54	42	25	45.5	
	MIN	27	15	12	18	20	8	26	9	15	22	20	20	17	28	30	19	8	5	11	9	21	11	24	18	15	17	6	9	7	12	16.0	
BUTTE	MAX	55	61	23	30	26	34	51	33	54	52	67	64	35	44	51	35	31	34	42	44	35	34	42	37	39	26	27	29	50	14	40.0	
	MIN	35	15	10	13	18	14	24	9	19	25	37	22	12	23	28	18	12	14	18	13	13	16	18	17	16	15	3	17	11	2	16.9	
CARRINGTON	MAX	53	63	21	31	29	27	39	31	51	50	65	57	33	42	54	35	27	39	43	40	40	34	42	36	40	36	24	28	50	25	39.5	
	MIN	31	20	11	13	18	11	20	10	18	18	32	24	10	12	31	20	7	8	15	14	14	22	22	16	18	17	8	11	20	2	16.4	
CARSON	MAX	58	63	24	33	25	34	56	38	58	52	69	55	33	45	58	34	35	39	40	41	38	37	45	43	46	46	28	34	51	18	42.5	
	MIN	20	15	11	12	16	17	20	10	18	22	28	23	20	19	28	17	10	15	14	10	16	15	18	23	22	21	11	15	12	11	17.0	
CAVALIER	MAX	56	50	30	35	35	42	45	51	42	64	61	51	43	52	42	36	35	45	42	39	33	37	35	30	33	30	19	30	33	23	40.0	
	MIN	32	20	9	13	27	16	19	11	20	20	26	29	10	29	32	24	11	14	20	21	25	25	25	11	19	15	8	12	1	0	18.1	
CENTER	MAX	63	52	30	35	35	51	44	61	56	67	51	45	50	51	41	42	41	40	41	40	35	45	41	43	35	28	30	55	39	27	43.8	
	MIN	35	16	10	22	18	18	26	8	25	32	32	21	28	30	29	32	10	10	12	9	11	12	18	19	15	23	11	18	12	15	19.2	
COOPERSTOWN	MAX	60	57	30	32	29	41	42	51	45	64	62	50	41	50	44	31	36	41	36	37	33	38	34	34	33	33	24	45	40	27	40.7	
	MIN	34	21	12	17	24	13	25	9	20	28	28	28	20	12	27	30	8	14	18	14	29	28	24	14	17	15	0	17	4	2	18.4	
CROSBY	MAX	55	32	27	25	31	51	39	52	57	66	54	41	47	41	36	31	41	42	39	35	32	42	36	32	27	25	41	45	24	25	39.0	
	MIN	32	9	9	15	7	13	21	16	19	31																						

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX MIN	53 32	56 16	21 10	28 15	27 12	30 15	53 28	32 14	54 22	52 28	70 29	64 33	37 18	46 26	51 30	34 18	33 12	39 15	38 18	41 11	34 10	36 15	34 16	32 15	37 17	33 27	27 5	31 17	47 13	17 3	39.6 17.8	
GRAFTON	MAX MIN	57 34	52 23	30 12	36 19	33 26	40 14	43 22	51 6	42 21	63 25	58 28	51 29	42 9	48 28	44 32	38 25	34 11	45 15	38 18	38 15	34 27	36 29	32 17	28 0	34 18	32 16	20 2	29 12	34 1	25 1	39.6 17.8	
GRANO FORKS FAA AIRPORT	MAX MIN	60 37	43 24	32 16	37 21	33 15	42 17	38 12	48 21	43 29	61 61	61 43	43 25	41 14	50 31	42 33	35 28	33 16	46 18	38 22	39 19	35 31	36 31	34 8	36 5	33 14	30 5	28 19	36 6	32 6	32 6	39.9 18.9	
GRAND FORKS UNIVERSITY	MAX MIN	57 35	52 24	31 13	36 18	31 23	36 16	41 19	45 9	41 20	58 27	57 31	42 28	38 13	48 30	40 33	33 27	31 16	43 16	35 20	39 18	34 30	35 30	33 20	34 8	32 13	31 12	-2	34 19	34 5	31 5	38.5 19.2	
GRANO RAPIOS 1 N	MAX MIN	65 31	55 22	35 9	35 15	30 24	43 11	42 27	52 8	50 18	60 22	62 27	54 24	44 8	58 23	50 30	36 21	39 7	41 12	35 15	41 8	36 27	41 26	43 27	46 17	34 18	49 17	34 12	26 8	47 17	36 5	29 2	43.8 17.9
GRANVILLE	MAX MIN	58 35	40 15	31 11	28 12	35 17	53 15	50 19	57 10	55 17	73 32	54 33	44 23	47 12	50 30	38 32	34 13	42 11	44 14	46 13	36 26	44 34	38 16	34 12	28 10	30 16	30 12	17 13	47 30	33 4	22 3	41.5 16.7	
GRENORA	MAX MIN	53 30	32 9	28 8	33 13	32 6	52 15	39 19	51 16	57 18	65 33	53 27	39 22	46 16	41 29	36 18	35 14	39 14	42 15	38 16	34 10	30 13	43 12	37 11	41 19	30 14	27 17	43 13	48 23	25 4	34 0	39.8 15.6	
HANKINSON R R STATION	MAX MIN	55 32	67 33	37 18	36 14	35 20	31 14	40 14	32 10	43 22	45 22	61 24	65 34	44 18	39 16	56 22	38 25	35 14	35 13	44 16	31 11	42 20	35 29	38 29	43 20	47 23	45 21	25 12	28 15	43 16	28 7	41.4 18.9	
HANNAH	MAX MIN	54 31	38 18	27 7	27 15	30 16	45 11	40 12	48 4	44 26	63 29	53 27	45 21	40 14	45 29	37 21	31 14	41 4	43 12	37 20	35 10	31 25	32 21	30 12	28 28	27 16	26 7	20 4	33 9	25 -4	21 -6	36.2 14.2	
HANSBORO	MAX MIN	51 28	46 15	27 5	28 14	34 19	49 11	42 19	51 6	46 14	65 29	61 28	42 22	41 6	45 27	39 16	32 16	42 10	36 11	38 11	35 22	32 15	36 22	29 5	34 14	36 10	29 11	29 4	26 10	19 3	40 10	34 7	38.2 12.6
HETTINGER	MAX MIN	63 32	34 14	35 12	27 14	35 13	54 17	39 20	57 16	57 27	70 29	54 36	39 24	44 20	56 29	34 24	31 13	36 11	34 13	41 13	34 13	34 21	46 15	45 22	55 25	47 23	24 21	45 19	53 27	37 11	51 14	43.7 19.6	
HILLSBORO	MAX MIN	58 33	50 25		37 19	32 25	38 15	42 29	42 10	43 21	57 25	50 30	48 31	46 13	45 28	45 34	38 29	34 15	42 15	37 17	41 25	34 30	36 29	47 16	42 21	31 21	24 4	40 19	38 7	35 5	41.3 21.0		
JAMESTOWN FAA AIRPORT	MAX MIN	62 33	38 18	32 11	33 16	27 11	43 10	35 12	54 18	50 25	65 61	40 18	42 25	55 30	38 27	31 12	31 8	40 12	42 18	36 13	41 18	33 29	42 27	42 22	45 20	46 18	28 14	26 4	52 1	30 5	25 5	41.1 16.2	
JAMESTOWN STATE HOSP	MAX MIN	60 34	50 20	31 12	32 16	27 24	43 10	39 23	53 13	46 21	66 26	59 28	48 26	43 11	55 27	46 31	33 20	39 7	41 11	35 18	37 14	34 29	42 28	40 26	42 22	46 18	28 14	26 4	51 16	39 8	25 4	41.9 18.7	
KEENE 2 S	MAX MIN	52 25	25 10	23 8	22 12	30 7	53 13	36 17	54 12	56 24	66 31	53 26	42 13	43 13			35 10	37 9	41 16	40 14	34 10	30 10	42 8	40 8		30 11	24 12	36 16	46 15	25 2	30 8	38.7 14.0	
KENMARE	MAX MIN	55 33	54 11	21 11	28 11	26 11	30 17	52 24	31 19	53 19	69 51	52 37	52 22	40 19	45 23	43 25	34 30	30 15	40 16	42 19	41 15	32 15	30 19	40 14	34 14	33 18	28 18	36 6	45 12	5 5	38.4 16.6		
KENSAL WILDLIFE REFUGE	MAX MIN	63 31	55 18	32 9	33 13	28 7	44 13	44 23	52 10	50 16	65 21	61 24	51 27	44 8	54 30	50 35	41 15	43 5	40 15	39 15	35 20	43 24	42 20	44 14	42 16	32 19	26 11	53 13	54 8	24 3	43.9 16.8		
LANGOON EXP FARM	MAX MIN	53 27	49 18	27 16	30 16	30 13	41 12	31 19	48 4	43 18	62 28	58 30	49 26	40 6	45 28	38 26	30 15	35 6	42 14	38 20	34 11	32 24	32 22	33 23	27 1	29 16	28 13	17 2	32 10	30 -1	20 -5	36.8 15.0	
LARIMORE	MAX MIN	57 33	52 22	30 11	33 17	33 17	42 14	43 24	50 8	42 22	65 24	65 27	49 29	43 9	49 29	42 31	35 23	36 9	44 13	38 17	38 18	33 29	37 27	32 22	29 8	31 16	30 12	24 -3	37 12	37 0	30 0	40.2 17.3	
LEEOS	MAX MIN	56 33	46 19	28 10	28 17	30 24	49 18	42 24	52 10	47 17	65 32	53 34	47 25	42 10	48 33	40 28	33 18	37 9	42 20	39 19	32 14	32 27	38 18	35 16	31 7	27 15	27 9	25 0	41 18	37 0	18 -1	38.9 17.4	
LINTON	MAX MIN	67 32	65 10	42 5	35 9	33 20	51 7	50 21	55 5	53 14	63 23	62 21	53 24	49 10	62 25	56 29	32 28	37 4	39 9	38 16	40 10	36 29	42 10	45 20	47 22	51 20	39 20	30 10	50 20	39 14	19 16	46.0 16.4	
LISBON	MAX MIN	65 33	63 22	35 13	35 17	35 25	45 14	42 26	45 10	48 18	59 17	60 34	58 31	42 19	53 25	53 32	39 24	36 10	41 12	38 15	41 15	35 25	39 30	41 25	45 17	44 18	43 23	27 5	43 17	43 16	32 5	44.2 19.8	
LOSTWOOD 12 N	MAX MIN	52 34	38 6	22 5	23 11	28 4	50 10	40 19	51 4	52 13	70 31	51 36	45 21	45 15	42 29	33 18	30 6	38 13	41 6	39 13	34 7	29 11	38 7	34 8	30 11	25 14	35 13	45 14	31 3	23 12	-2	-3	37.9 12.7
MAODOCK AGRI SCHOOL	MAX MIN	58 31	45 16	29 8	27 16	30 20	49 13	45 20	53 9	47 13	66 25	53 31	47 22	42 9	49 30	40 27	33 17	38 5	42 8	38 17	35 13	33 26	40 18	34 9	34 10	28 10	29 9	26 3	46 10	36 3	21 -1	39.8 14.8	
MANOAN EXP STATION	MAX MIN	57 33	64 18	23 12	33 16	26 19	34 15	53 24	36 11	58 17	50 22	67 28	56 25	33 22	45 25	60 33	35 24	41 10	34 13	40 15	40 17	39 13	35 21	46 13	43 22	42 18	28 6	55 12	17 15			42.0 18.3	
MANOAN FT LINCOLN PARK	MAX MIN	65 34	54 18	33 12	28 18	30 20	53 15	46 26	57 13	50 21	65 29	57 29	50 27	45 21	61 28	50 34	34 23	41 14	41 12	37 15	39 16	36 25	45 16	42 20	43 21	44 21	31 7	28 15	55 17	46 15	25 11	44.5 19.8	
MARMARTH	MAX MIN	62 25	60 13	32 12	35 12	32 12	52 15	40 26	50 18	59 16	64 19	70 21	52 18	31 10	45 10	45 27	31 22	32 9	33 7	34 16	39 17	32 16	35 14	44 18	45 18	53 19	42 22	25 12	49 52	12 22		42.2 16.0	
MAX	MAX MIN	55 32	57 14	21 10	28 12	24 17	34 14	51 24	33 8	55 22	55 25	64 29	52 26	35 12	44 19	50 28	34 17	38 12	41 9	42 14	34 10	42 15	36 16	41 15	35 16	44 18	25 18	24 7	31 10	47 3	10 		

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Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MUNICH 4 SW	MAX MIN	54 38	41 19	26 5	29 16	31 22	44 12	42 23	49 8	43 19	63 28	57 29	46 26	40 7	45 22	37 25	33 14	33 5	40 11	35 17	32 11	30 25	31 16	31 9	27 0	27 15	27 10	18 3	31 8	29 -2	18 -3	36.3 14.6	
NAPOLEON	MAX MIN	64 35	48 17	32 11	30 16	28 16	43 10	42 25	49 7	51 16	62 27	60 28	40 23	42 9	56 27	43 28	30 19	36 9	39 13	38 19	40 11	33 28	40 20	40 24	47 22	55 21	29 16	25 7	48 17	39 12	26 7	41.8 18.0	
NEW ENGLAND	MAX MIN	59 35	44 15	33 12	26 15	34 14	52 15	42 22	62 10	57 18	71 23	52 32	37 21	45 16	57 28	38 27	33 18	40 9	38 10	41 9	35 9	34 18	45 9	45 20	56 20	41 23	24 20	46 18	52 16	36 11	48 14	44.1 17.6	
NEW SALEM 1 SE	MAX MIN	60 36	41 11	32 10	25 15	35 18	53 19	40 21	57 14	50 24	68 34	55 35	45 23	45 21	59 32	40 30	35 22	39 11	40 15	43 16	37 15	37 19	45 14	45 26	40 20	43 23	28 14	32 7	54 20	34 11	27 10	42.8 19.5	
NEWTOWN	MAX MIN	47 35	42 14	28 13	27 17	31 16	52 14	42 27	55 5	53 13	64 21	53 28	49 23	47 27	44 31	39 27	32 20	40 9	43 13	41 12	34 13	33 17	44 16	37 17	36 23	31 17	26 19	40 12	45 17	35 8	23 8	40.4 18.3	
OAKES	MAX MIN	55 33	65 28	13 13	36 16	33 20	29 10	43 16	36 12	44 16	49 21	57 24	58 29	33 13	43 14	53 26	37 22	30 9	34 10	39 13	35 10	43 29	40 28	35 20	40 28	50 23	47 23	28 13	32 15	42 18	6 7	40.7 18.0	
PARK RIVER	MAX MIN	55 32	54 23	35 13	35 19	32 25	41 17	41 25	52 10	48 21	65 26	62 33	57 28	42 11	48 29	57 32	37 24	36 11	42 18	46 19	36 26	33 21	37 29	42 29	26 17	33 17	32 16	18 2	30 14	36 2	24 1	40.4 19.0	
PARSHALL	MAX MIN	52 33	42 11	28 9	25 15	32 12	52 12	42 23	55 5	52 13	67 21	55 32	43 21	46 15	49 32	40 25	33 20	37 3	41 11	40 9	33 12	34 9	42 15	39 11	36 17	42 16	39 20	27 16	31 17	27 15	44 15	36 6	40.5 15.2
PEMBINA	MAX MIN	55 32	49 23	29 12	35 20	33 25	39 15	44 17	47 6	41 13	60 27	55 29	48 25	39 17	40 30	35 28	35 24	31 17	41 15	37 21	36 17	33 25	36 20	28 22	34 20	32 18	24 11	33 14	32 1	24 1	32 1	38.3 17.7	
PETERSBURG	MAX MIN	53 30	46 21	28 10	31 15	30 20	40 13	41 23	48 7	41 21	63 27	61 28	47 27	40 9	48 28	39 28	35 21	42 7	35 15	37 20	35 13	32 25	35 26	31 17	28 10	32 18	29 11	22 -5	37 14	36 1	23 -1	38.1 16.6	
PETTIBONE	MAX MIN	62 32	49 12	30 9	29 14	29 20	44 12	38 22	51 8	49 22	62 24	58 28	45 24	43 9	53 28	39 29	31 19	38 8	42 13	38 12	38 28	41 20	38 22	42 20	46 22	26 19	27 15	48 15	37 15	22 3	40.9 17.8		
PORTAL	MAX MIN	54 36	54 9	23 8	28 11	25 8	33 13	51 21	31 11	51 21	53 25	70 38	52 21	38 18	45 22	40 21	33 13	29 13	41 17	44 17	39 17	32 6	40 10	33 12	31 19	30 12	27 19	37 6	43 17	3 1	5 -1	38.0 15.4	
POWERS LAKE 1 N	MAX MIN	54 28	54 9	29 7	26 9	23 4	30 8	50 21	52 14	53 15	68 20	52 14	40 19	45 20	44 18	33 16	32 12	38 10	42 10	39 5	32 10	28 5	32 4	32 8	26 16	20 14	37 16	46 16	17 2	0	38.4 11.9		
RAUB 10 SSW	MAX MIN	55 33	41 12	31 15	30 11	31 11	15 15	48 21	55 11	45 24	68 33	60 31	48 31	52 30	40 34	41 24	34 25	40 11	40 15	38 19	34 21	45 18	40 21	43 23	41 24	35 20	38 14	25 25	10 10	10	43.4 20.2		
RICHARDSON ABBEY	MAX MIN	62 35	46 13	29 10	25 12	33 16	51 14	45 22	60 14	53 22	70 33	59 38	49 24	44 18	56 30	42 29	34 24	39 19	40 14	37 12	40 14	33 22	45 22	40 22	46 25	26 25	24 20	54 14	44 9	44 12	44.2 19.6		
RIVEROALE	MAX MIN	53 32	57 17	27 13	27 16	33 16	31 15	50 19	32 13	55 20	49 30	66 31	50 22	38 18	45 26	52 31	35 24	34 12	38 12	41 13	41 14	37 14	36 14	44 20	35 23	30 20	27 17	8 12	31 12	49 12	7	39.8 17.7	
ROLLA	MAX MIN	52 26	41 16	28 6	27 15	35 17	48 12	38 14	51 13	45 21	60 30	55 36	46 22	45 12	44 28	38 26	31 13	35 11	40 14	37 18	34 15	32 18	35 9	35 16	30 10	22 15	21 6	20 -1	38 14	36 -4	15 -3	37.1 14.8	
RUGBY	MAX MIN	57 33	53 16	29 10	27 16	32 12	51 12	45 24	54 8	48 22	67 28	60 29	47 28	43 18	46 24	40 27	33 19	37 10	42 15	42 15	36 20	34 14	36 27	36 16	36 16	29 16	28 13	25 4	40 14	35 1	18 0	40.3 17.2	
SAN HAVEN	MAX MIN	50 31	46 15	28 7	27 15	30 21	50 14	44 22	50 12	47 24	61 27	56 34	46 24	42 9	41 28	37 24	31 20	35 14	40 16	37 16	33 26	31 10	37 16	35 26	33 22	28 18	25 14	21 9	37 12	36 0	13 -3	37.6 16.4	
SHARON	MAX MIN	57 32	50 20	30 10	32 16	29 12	40 12	42 24	50 8	48 22	68 28	63 29	47 28	51 11	50 27	42 29	32 23	35 17	42 15	35 20	36 13	32 29	36 25	32 22	29 17	29 6	22 -5	22 17	38 1	36 1	15 0	38.9 17.0	
STANLEY	MAX MIN	51 35	36 10	25 9	23 15	30 8	51 13	39 19	52 5	51 18	66 26	52 13	40 24	45 19	46 34	36 23	31 19	39 13	40 13	41 18	33 13	33 18	40 12	34 13	35 18	25 16	26 12	35 18	45 18	32 4	23 4	38.4 16.2	
STEELE	MAX MIN	55 31	55 20	31 10	28 14	31 20	50 15	43 28	53 9	52 20	64 28	59 30	50 24	44 19	58 27	42 28	34 20	39 11	39 15	40 19	40 29	35 12	48 23	41 20	48 23	50 22	32 22	28 6	51 16	44 11	24 7	43.3 19.2	
TIOGA 1 E	MAX MIN	55 30	53 9	21 9	27 9	22 6	28 10	51 22	34 9	52 16	64 21	67 30	53 21	39 18	46 18	45 20	32 13	32 9	38 11	43 12	40 7	33 11	35 9	40 2	25 5	41 16	32 13	26 6	38 18	47 3	12 2	38.2 12.8	
TOWNER	MAX MIN	60 35	47 11	30 8	31 12	35 20	45 11	41 14	56 10	48 18	72 32	55 32	48 22	45 9	49 27	42 28	33 20	38 9	41 22	46 18	35 12	36 18	42 11	37 13	35 11	30 17	28 11	26 17	43 14	34 1	27 1	41.5 15.9	
TROTTERS 3 S	MAX MIN	52 27	29 11	28 8	20 12	28 7	52 13	38 22	54 15	61 23	67 35	54 35	41 25	43 18	51 31	34 26	34 20	38 16	41 12	39 18	36 14	32 17	43 12	39 20	47 22	36 22	26 14	43 14	47 21	22 5	14 4	40.6 18.3	
TURTLE LAKE	MAX MIN	61 36	50 15	30 12	26 17	35 18	52 17	46 25	56 11	49 18	67 29	54 31	47 25	44 13	53 33	47 30	33 19	39 12	40 15	41 18	38 11	34 23	42 12	40 18	43 22	33 20	28 14	41 4	38 19	24 9	42.1 18.4		
TUTTLE	MAX MIN	60 31	54 15	30 9	26 14	31 13	48 12	45 24	52 7	50 13	62 25	57 22	46 23	42 18	54 28	48 29	32 19	38 5	40 7	37 16	37 10	34 26	40 19	38 16	42 19	44 24	26 13	49 19	42 14	21 8	41.8 15.7		
UNOERWOOD	MAX MIN	61 36	50 14	29 13	27 13	32 16	51 9	42 26	56 11	48 20	67 28	52 32	44 23	44 15	52 32	40 23	32 18	38 12	42 13	42 14	37 13	35 19	44 14	42 13	42 24	34 19	27 16	29 6	51 19	37 18	23 6	41.7 17.8	

DAILY TEMPERATURES

NORTH DAKOTA
NOVEMBER 1961

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	62	51	31	25	31	49	45	55	48	62	52	48	42	54	45	32	39	38	38	41	32	42	38	41	37	28	26	50	36	24	41.4	
	MIN	13	14	10	15	17	14	27	11	16	28	35	22	14	31	27	20	17	13	17	13	22	14	20	25	22	11	8	15	9	6	18.0	
WISHEK	MAX	58	65	23	34	30	29	42	37	52	49	64	64	31	43	58	35	30	34	38	35	40	34	40	42	42	58	32	25	50	21	41.2	
	MIN	29	19	10	13	15	3	18	2	14	14	22	23	5	10	28	15	0	1	15	3	4	24	23	20	25	17	5	12	14	7	13.7	

SNOWFALL AND SNOW ON GROUND

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERCROMBIE	SNOWFALL SN ON GND			.2 T	T T	.2 T	T T		T T							T T																	
ALMONT 7 SW	SNOWFALL SN ON GND				T T								T T				T T						T T					T T			T T		
AMENIA	SNOWFALL SN ON GND		T T			T T																	T T									T T	
ASHLEY	SNOWFALL SN ON GND			T T	T T	T T										2.0 1													T T				
BEACH	SNOWFALL SN ON GND					.5 1	T T					1.0 1		1 T											T T			.5 1	1 T				
BELCOURT INDIAN RES	SNOWFALL SN ON GND			T T	.3 T	T T		T T														.7 1	T T	T T	T T	T T	T T	T T	T T	T T	T T	.4 T	
BISMARCK WB AIRPORT	SNOWFALL SN ON GND	T T	T T	T T		.1 T	T T					T T		T T	T T	T T	T T					T T					T T	T T	T T	T T	T T	T T	
BOTTINEAU	SNOWFALL SN ON GND				T T	1.0 1	T T	T T														.5 1	T T					T T	T T	T T	T T	T T	
BOWBELLS	SNOWFALL SN ON GND				T T	T T																	T T	- T	- T	- T	- T	- T	- T	- T	- T	- T	
CAVALIER	SNOWFALL SN ON GND		T T	T T	T T			T T									T T					.2 T	T T		T T			T T	T T	T T	.3 T	T T	
CENTER	SNOWFALL SN ON GND				T T	T T																											
CROSEY	SNOWFALL SN ON GND				T T																	.7 1	T T	T T	T T	T T				.7 1	1 T		
DEVILS LAKE WB CITY	SNOWFALL SN ON GND		T T	.5 1	.1 T	T T	T T	T T								T T	T T					1.2 1	1 T	1.3 2	2 T	2 T	2 T	1 T	1 T	1 T	1 T	1 T	
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND	T T	T T	T T	T T							T T		T T	T T	T T	T T					T T		T T	T T		T T						
DUNN CENTER 2 SW	SNOWFALL SN ON GND					T T																											
ELLENDALE	SNOWFALL SN ON GND					T T										1.0 1	1 T	1 T	T T	T T	T T							T T				T T	
FAIRFIELD	SNOWFALL SN ON GND			T T	T T								T T										T T				T T						
FARGO WB AIRPORT	SNOWFALL SN ON GND		.2 T	T T	.1 T	.2 T	T T	T T								T T	T T	T T					T T		T T					T T	T T		
FESSENDEN	SNOWFALL SN ON GND				T T	T T																	T T	.5 T	T T	T T	T T	T T	T T				
FORT YATES	SNOWFALL SN ON GND					T T										- 3	- T	- T	- T	- T	- T	- T	- T	- T	- T	- T	- T	- T	- T	- T	- T	- T	
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND			T T	.5 T	T T	T T	T T									T T	T T				.7 T		2.3 2	2 T	2 T	2 T	2 T	2 T	2 T	2 T	1 T	
GRAND RAPIDS 1 N	SNOWFALL SN ON GND					T T										T T	T T																
GRANVILLE	SNOWFALL SN ON GND				T T	T T																	T T		T T	T T	T T				T T	T T	
HANNAH	SNOWFALL SN ON GND			T T	T T	.3 T	T T										T T					1.0 1	1 T	1 T	1 T	1 T	1 T	1 T	1 T	.2 1	1 T	1 T	
HETTINGER	SNOWFALL SN ON GND																										T T						
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND			T T	T T	T T	T T	T T								T T							T T		T T			T T		T T	T T		
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND				T T	T T																	T T	.5 T								T T	
LANGDON EXP FARM	SNOWFALL SN ON GND				.2 T	T T											T T	T T				.5 1	T T	T T	T T	T T	T T			.1 T	T T	T T	
LEEDS	SNOWFALL SN ON GND								T T														1.5 1	T T	1.5 2	1 T	1 T	1 T	1 T	T T	T T	T T	
LISBON	SNOWFALL SN ON GND	T T				T T											T T																

See reference notes following Station Index.

Continued

SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
NOVEMBER 1961

NOVEMBER 196

Station		Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MARMARTH	SNOWFALL SN ON GND	.2 T										.5 1	T		.5 1	T	T	T	T	T	T	T	T	T	T	T	T						
MAX	SNOWFALL SN ON GND					T T	T															T T		T T	T							T T	
MAYVILLE	SNOWFALL SN ON GND				T T	.2 T	T	T								T						.5 T									T T	T	
MC CLUSKY	SNOWFALL SN ON GND					.1 T																		.1 T				.1 T					
MC HENRY 5 N	SNOWFALL SN ON GND				T T	.2 T																T		1.0 1	T	T	T	T	T	T	T	T	
MINOT FAA AIRPORT	SNOWFALL SN ON GND				T T	T T	T					T T				T	T T					T	T	T T	T T	T T					T T	T	
MOHALL	SNOWFALL SN ON GND				T	T																	T T								T T	T T	
MOTT	SNOWFALL SN ON GND			T	T																						.5						
MUNICH 4 SW	SNOWFALL SN ON GND				T			T														1.0 1	1	1.0 2	2	2	2	2	2	2	2	T 2	2
NAPOLEON	SNOWFALL SN ON GND				T	T										T																T	
PARK RIVER	SNOWFALL SN ON GND			T	T	T		T				T				T						-	-	3	2	2	2	2	2	2	2	2	
PARSHALL	SNOWFALL SN ON GND			T	T																		T T		T T							T T	
PETERSBURG	SNOWFALL SN ON GND			T	T	.2 T		T T															T T		2.1 2	2	2	2	2	1	1	1	T 1
PETTIBONE	SNOWFALL SN ON GND					T																						T		T			
PRETTY ROCK	SNOWFALL SN ON GND			T	T	T							T			1.5 1	1											T T	T	T			T
RICHARDTON ABBEY	SNOWFALL SN ON GND			.4 T	T	T							T										T	T				T				T	
RIVERDALE	SNOWFALL SN ON GND					T T																	T T	T T	T T								T
SHARON	SNOWFALL SN ON GND				T T																		T T		1.0 1	1	1	1	1	1			T T
STANLEY	SNOWFALL SN ON GND				T																		T T	T T	T T						T T	T T	
VELVA	SNOWFALL SN ON GND				T T	T T																			.5 T	T	T	T	T				T T
WATFORD CITY	SNOWFALL SN ON GND																							T		T							
WILLISTON WB CITY	SNOWFALL SN ON GND				.1 T	T	T															T		.4 T	T	T	T	T	T	T	T	T	T
WILLOW CITY	SNOWFALL SN ON GND			T	T T	T T																			T T							T T	T T

MONTHLY EXTREMES

Highest Temperature: 76° on the 12+ at Two Stations

Lowest Temperature: -8° on the 30+ at Two Stations

Greatest Total Precipitation: 0.60 inch at Grand Forks University

Least Total Precipitation: 0.00 at Two Stations

Greatest one-day Precipitation: 0.40 inch on the 23d at Grand Forks University

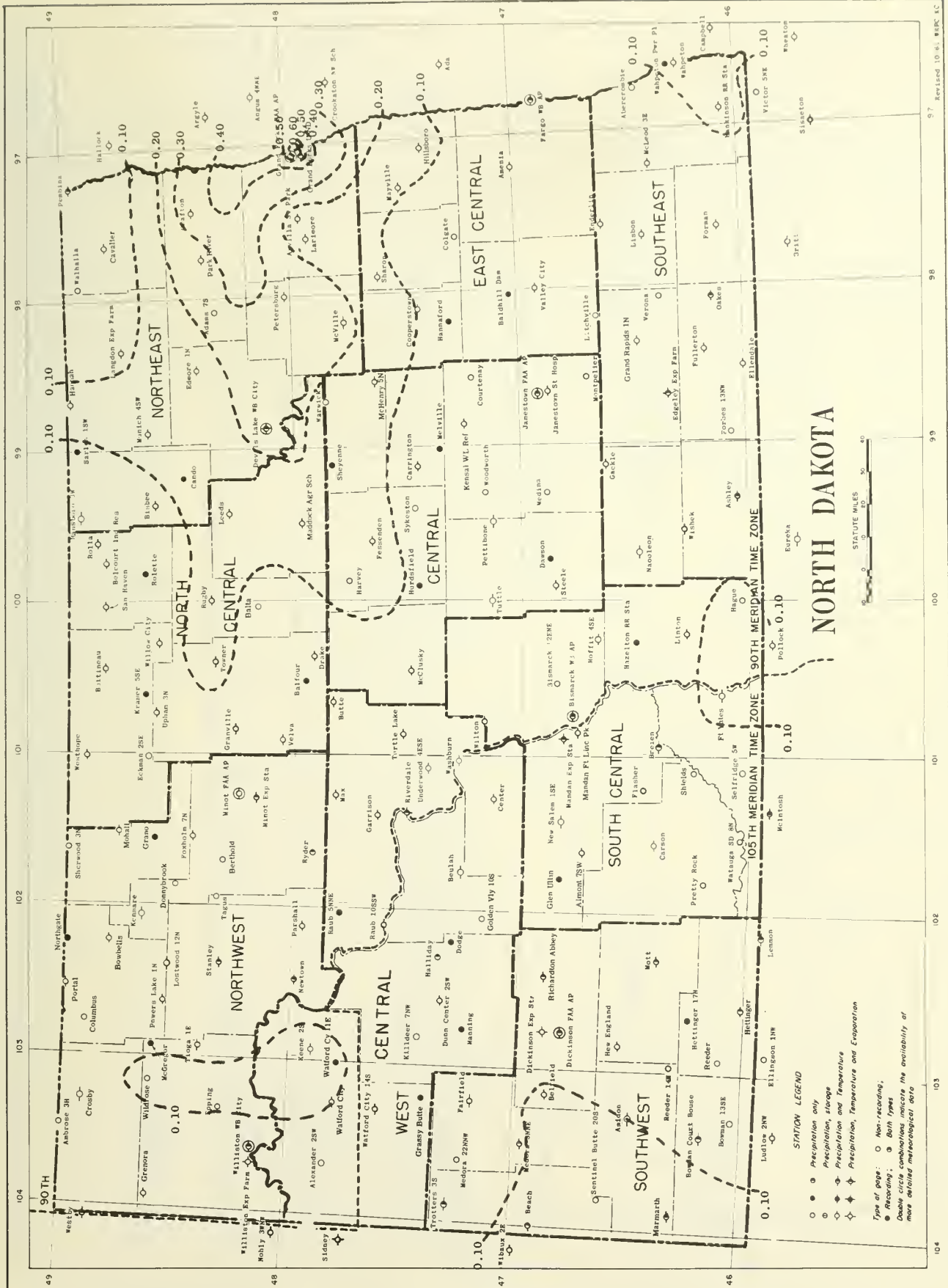
Greatest Total Snowfall: 3.7 inches at Grand Forks University

Deepest Snow on Ground: 3 inches on the 23d at Two Stations

See reference notes following Station Index.

TOTAL PRECIPITATION

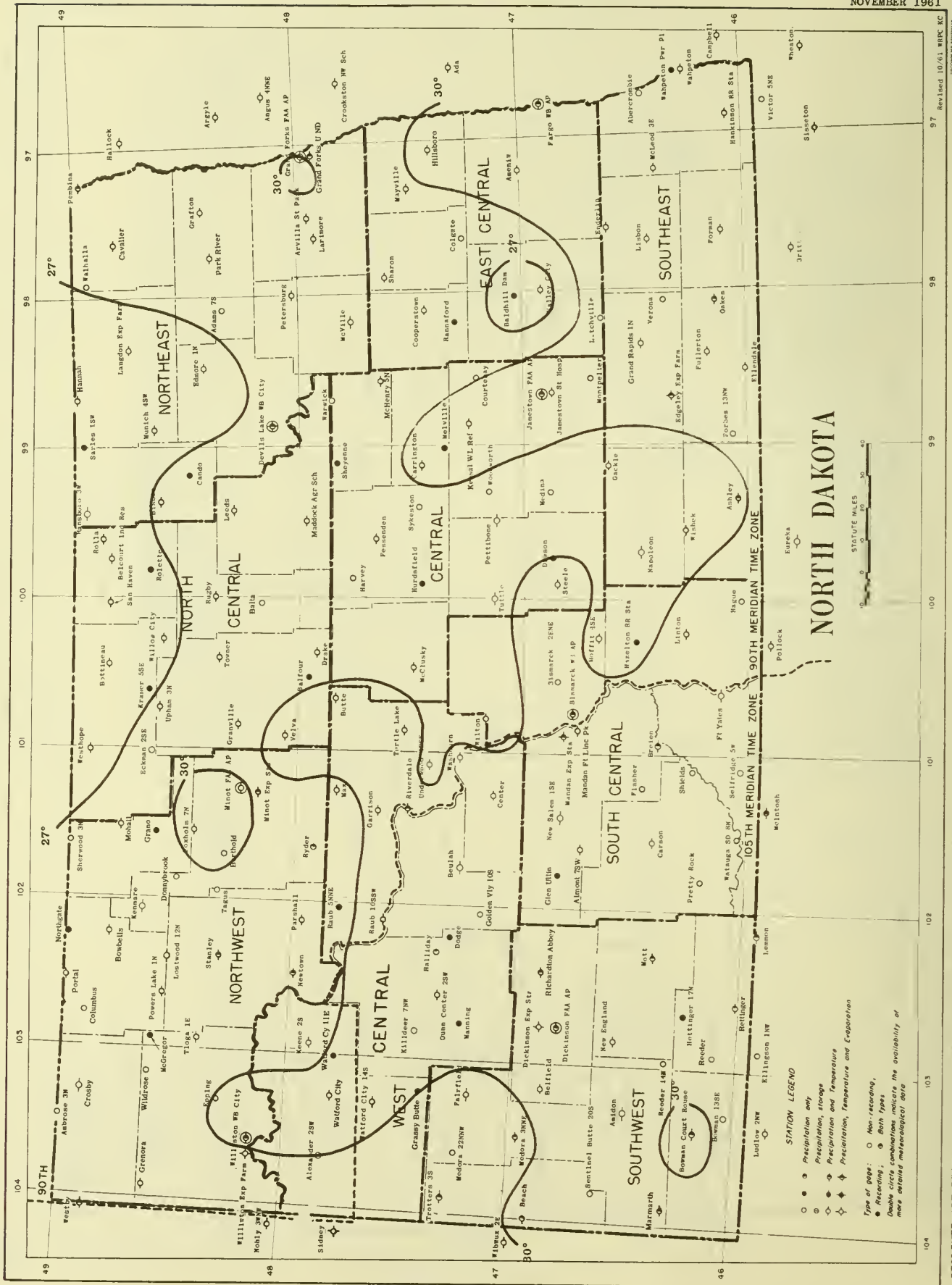
NOVEMBER 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

NOVEMBER 1961



MINNESOTA DALLAS
MAY 1961

1 DRAINAGE CODE: 1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMBINA 10. RED 11. SNEYDEN 12. SOURIS 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry. Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---1-5-62---B25



51.05
VNT

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

DECEMBER 1961

Volume 70 No. 12



ASHEVILLE: 1962

FEB 1962

SUPPLEMENTAL DATA

NORTH DAKOTA
DECEMBER 1981

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation							Percent of possible sunshine	Average sky cover sunrise to sunset
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	Midnight CST	6:00A CST	Noon CST	6:00P CST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
BISMARCK WB AIRPORT	NW	18	9.0	37	NW	6	72	73	67	68	8	8	2	0	0	0	18	60	5.7
DEVILS LAKE WB CITY	NW	-	8.9	23	NW	25+	-	80	71	78	12	9	3	0	0	0	24	56	6.3
FARGO WB AIRPORT	NNW	18	12.0	35	SE	21+	76	74	72	75	15	7	2	0	0	0	24	32	7.6
WILLISTON WB CITY	W	-	6.4	23	NW	22+	-	75	64	64	5	7	1	0	0	0	13	44	6.0

CLIMATOLOGICAL DATA

Station	Temperature												Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max.		Min.						Total	Max. Depth on Ground	Date	10 or More	50 or More	1.00 or More	
										32° or Above	32° or Below	32° or Above	32° or Below											
NORTHWEST DIVISION																								
ROWRELLS	14.3	- 6.7	3.8		45	2	-29	20+	1900	0	28	31	22	.37		.27	19	4.0	3	31+	2	0	0	
CROSBY	18.0	- 6.5	5.8	- 8.0	40	1	-29	19	1836	0	25	31	20	.24	-	.17	10	6.3	5	20	1	0	0	
FOXHOLM 7 N	21.0	- 5.5	7.8	- 6.6	52	1	-26	19	1773	0	24	31	22	.15	-	.26	.06	22	6.0	5	31+	0	0	0
GRENORA	18.8	- 6.2	6.3		43	1	-31	19	1816	0	26	31	21	.34		.16	21	5.0	4	31+	1	0	0	
KENMARE	16.6	- 5.2	5.7		47	2	-26	20+	1837	0	28	31	20	.19	-	.27	.07	19			0	0	0	
LOSTWOOD 12 N	17.0	- 7.3	4.9		44	1	-32	19	1863	0	27	31	22	.18		.07	8	3.5	1	22+	0	0	0	
MINOT FAA AIRPORT	17.5	- 3.5	7.0		51	1	-25	19	1796	0	27	31	20	.55		.15	18	6.5	4	24+	2	0	0	
MINOT EXP STATION	16.8	- 5.3	5.8		50	2	-24	20+	1836	0	28	31	22	.27		.09	19	4.6	4	31+	0	0	0	
MOHALL	13.4	- 8.7	2.4	-10.2	42	6	-28	20+	1940	0	28	31	25	.27	-	.17	.11	22	2.5	3	31+	1	0	0
NEWTOWN	18.5	- 1.8	8.4	- 6.2	53	1	-26	19	1753	0	28	31	19	.18	-	.21	.06	20	4.0	3	24+	0	0	0
PARSHALL	20.1	- 5.9	7.1		52	1	-29	19+	1795	0	25	31	23	.20	-	.08	.08	8	3.1	3	31+	0	0	0
PORTAL	13.5M	- 8.8M	2.4M	- 9.4	44	2	-34	20	1944	0	28	31	22	.41	-	.03	.21	21	5.0			1	0	0
POWERS LAKE 1 N	14.8M	-11.5M	1.7M		43	6	-36	20+	1987	0	28	31	26	.14		.14	19		2	21+	1	0	0	
STANLEY	18.4M	- 6.1M	6.2M		48	1	-34	19	1792	0	28	31	22	.32		.12	20					1	0	0
TIOGA 1 E	15.7M	- 8.2	3.8M		49	2	-33	19	1904	0	28	31	23	.31		.13	22	4.6				1	0	0
WILLISTON WB CITY	20.0	- 2.1	9.0	- 6.7	54	1	-25	19	1732	0	24	31	17	.50	-	.04	.11	21	5.8	4	24+	1	0	0
WILLISTON EXP FARM	19.8	- 4.1	7.9		52	1	-29	19	1770	0	25	31	19	.44		.20	21				2	0	0	0
DIVISION														.30	-	.10	4.7							
NORTH CENTRAL DIVISION																								
RELCOURT INDIAN RES	12.7	- 6.9	2.9		32	5	-21	9	1925	0	31	31	23	.51		.35	22	5.9	6	31+	1	0	0	
ROTTINEAU	12.5	-10.2	1.2	- 9.0	39	2	-28	20	1976	0	30	31	25	.13	-	.27	.05	9	5.8	5	23+	0	0	0
ORAKE	17.6M	- 6.4M	5.6M	- 7.7	54	2	-24	20	1841	0	26	31	22											
GRANVILLE	18.3	- 4.9	6.7	- 7.3	54	1	-25	19	1802	0	27	31	22	.40	-	.01	.16	22	3.2	3	31+	1	0	0
LEEDS	15.6	- 5.5	5.1		44	1	-23	19	1857	0	28	31	23	1.00		.60	22	14.2	10	22	2	1	0	
MAODOCK AGRI SCHOOL	17.1	- 5.8	5.7	- 6.7	49	1	-22	19	1841	0	26	31	23	.59	-	.19	.28	4	6.4			2	0	0
ROLLA	14.5	- 4.0	5.3		34	5	-17	20+	1852	0	29	31	22	.74		.48	22	8.2	8	31+	2	0	0	
RUGBY	17.1	- 4.7	6.2		43	1	-25	19	1819	0	27	31	22	.45	-	.08	.18	22	6.5	5	31+	2	0	0
SAN HAVEN	15.5	- 4.2	5.7	- 5.7	36	2+	-20	19+	1840	0	29	31	20	.18	-	.22	.11	22	2.1	3	31+	1	0	0
TOWNER	17.3M	- 5.1	6.1M	- 6.4	52	1	-26	19	1820	0	27	31	21	.24	-	.29	.11	22	5.0	5	31+	1	0	0
UPHAM 3 N	16.3	- 8.3	4.0		50	1	-28	19+	1889	0	27	31	23	.24		.15	22	5.5				1	0	0
VELVA	19.0	- 7.5	7.8	- 7.5	54	1	-22	29	1771	0	26	31	23	.38	-	.08	.17	22	4.8	4	31+	2	0	0
WESTHOPE	13.4	- 7.3M	3.1M	- 7.8	36	1	-30	19	1914	0	28	31	23	.19		.11	22	6.5	4	22	1	0	0	
WILLOW CITY	15.5	- 8.4	3.6	- 6.4	47	1	-27	29+	1906	0	29	31	24	.22	-	.29	.10	22	3.3	3	22	1	0	0
DIVISION														.41	-	.05	6.0							
NORTHEAST DIVISION																								
ARVILLA STATE PARK	13.4M	- 5.2M	4.1M		31	6+	-25	15	1884	0	31	31	24	.49		.19	19	7.5			1	0	0	
RISREE	13.1	- 5.5	3.8		36	1	-20	10	1895	0	29	31	21	1.21		.60	22	13.0	14	31+	3	1	0	
CAVALIER	13.1	- 3.1	5.0		39	25	-20	15	1859	0	30	31	20	1.13		.67	4	11.6	10	31+	2	1	0	
DEVILS LAKE WB CITY	13.8	- 4.4	4.7	- 6.5	47	1	-18	12	1869	0	29	31	22	1.10	-	.62	.43	3	13.5	10	25+	3	0	0
EDMORE 1 N	14.0	- 6.5	3.8		36	1	-23	15+	1896	0	30	31	22	.31		.22	4		8	31+	1	0	0	
GRAFTON	15.2	- 2.6	6.3	- 5.0	32	25	-20	15	1818	0	31	31	20	.72	-	.12	.35	4	8.9			3	0	0
GRAND FORKS FAA AIRPORT	15.8	- 0.7	7.6		32	4+	-17	20	1776	0	31	31	15	.52		.15	18	4.9	6	25+	2	0	0	
GRAND FORKS UNIVERSITY	15.6	- 1.1	7.3	- 4.2	31	4+	-18	20	1786	0	31	31	17	.55	-	.07	.25	19	6.8	8	23+	1	0	0
HANNAH	12.0M	- 8.1M	2.0M		31	1	-27	14	1951	0	31	31	23	.60		.18	.32	4	5.5					
HANSRORO 3 W	14.1	- 8.3	2.9	- 7.6	36	5+	-23	20	1923	0	28	31	23	.75		.62	.22		9	31+	2	1	0	
LANGDON EXP FARM	12.1	- 6.8	2.7	- 5.6	32	1	-24	14	1933	0	31	31	22	.96		.40								
LARIMORE	16.5	- 2.9	6.8	- 5.7	33	25+	-21	15	1802	0	29	31	20	.77	-	.30	.25	19	9.7	10	31+	3	0	0
MC VILLE	15.2M	- 6.0M	4.6M		44	1	-20	20+	1877	0	28	31	22	.39		.15	22	5.5	5	31+	2	0	0	
MUNICH 4 SW	11.8	- 7.0	2.4	- 5.7	33	25	-23	14	1939	0	30	31	22	.72		.38	4	8.4	7	24+	2	0	0	
PARK RIVER	14.4	- 2.7	5.9	- 5.7	38	1	-21	15	1831	0	29	31	18	.60	-	.20	.29	4		8	24+	2	0	0
PENRINA	13.0	- 6.4	3.3		30	25	-23	24	1911	0	31	31	24	1.09	-	.69	.47	4	11.1	11	31+	3	0	0
PETERSBURG	14.8	- 3.6	5.6		37	1	-19	20	1837	0	30	31	20	.45		.02	.16	4	4.4	5	31+	1	0	0
DIVISION														.73	-	.24	8.5							
WEST CENTRAL DIVISION																								
REULAH	23.2	- 1.5	10.9		55	1	-21	19+	1671	0	23	31	18	.10		.04	5				0	0	0	
RUTTE	16.7M	- 4.6M	6.1M		52	2	-22	20+	1824	0	27	31	21	.34		.16	22				1	0	0	
CENTER	23.0	- 2.6	10.2		51	1	-22	14	1693	0	25	31	20	.62		.40	22		6	23+	2	0	0	
DUNN CENTER 2 SW	23.8	- 4.3	9.8	- 7.9	51	2	-26	19	1708	0	23	31	20	.16		.07	9	5.5	5	23+	0	0	0	
GARRISON	16.7	- 7.8M	4.5M	-10.5	50	2	-23	20+	1915	0	27	31	20	.28	-	.16	.10	22				1	0	0
KEENE 2 S	21.4M	- 3.8M	8.8M		53	1	-31	19	1737	0	24	31	19	.44		.15	21	8.1	7	21	3	0	0	
MAX	17.0	- 5.7	5.7	- 7.5	52	2	-24	20	1838	0	27	31	19	.65	-	.29	.18	22	6.5	5	23	2	0	0
RAUR 10 SSW	20.5	- 0.7	9.0		42	5	-24	19	1704	0	24	31	19	.03		.03	20		1	24+	0	0	0	
RIVERDALE	18.6	- 2.1	8.3		51	2	-19	20	1758	0	26	31	16	.35		.15	22	2.5	2	31+	1	0	0	

CLIMATOLOGICAL DATA

CONTINUED

NORTH DAKOTA
DECEMBER 1961

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days			
										Max. Min.								Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More	
										32° or Above	32° to Below	32° to Below	32° to Below											
TURTLE LAKE	20.4	- 2.3	9.1		53	1	-22	19	1732	0	26	31	19	.47		.22	22				1	0	0	
UNDERWOOD	20.8	- 1.6	9.6		53	1	-21	19	1714	0	26	31	16	.55		.27	22				2	0	0	
WASHBURN																		6	24+		2	0	0	
WATFORD CITY	21.3	- 2.5	9.4	- 8.3	55	1	-26	19	1717	0	25	31	18	.17	-.32	.08	8				0	0	0	
WATFORD CITY 14 S	27.1	- 0.5	13.3		56	1	-26	19+	1600	0	20	31	17	.13		.07	8				0	0	0	
WILTON	20.5	- 1.6	9.5		53	1	-21	19	1718	0	26	31	16	.27		.12	20	6.0			1	0	0	
DIVISION			8.9	- 6.8										.33	-.03			5.7						
CENTRAL DIVISION																								
CARRINGTON	16.5	- 4.0	6.3	- 6.5	51	2	-19	20	1820	0	28	31	19	.92	.41	.39	4	9.0	6	25+	3	0	0	
FESSENDEN	19.3	- 3.9	7.7	- 5.5	54	1	-22	19	1775	0	26	31	21	.72	.19	.30	4	9.6	6	23+	4	0	0	
JAMESTOWN FAA AIRPORT	//R	18.1	- 2.2	8.0	53	1	-18	20	1763	0	27	31	21	.53		.15	22	7.4	6	23	2	0	0	
JAMESTOWN STATE HOSP	20.2M	- 1.1	9.6M	- 5.4	51	1	-18	20	1708	0	24	31	18	.72	.24	.37	9	4.0			2	0	0	
KENSAL WILDLIFE REFUGE	20.3	- 2.4	9.0		52	1	-20	20	1731	0	23	31	19	.25		.09	22	6.0	5	24+	0	0	0	
MC CLUSKY	19.5	- 4.5	7.5	- 7.1	51	1	-24	19	1778	0	26	31	21	.46	-.05	.25	22	3.8	3	31+	1	0	0	
MC HENRY 5 N	16.2	- 4.8	5.7		47	1	-22	20+	1836	0	27	31	21	.54		.16	4	5.4	5	31+	3	0	0	
PETTIBONE	19.1M	- 4.2M	7.5M	- 5.9	50	1	-20	29+	1768	0	26	31		.47	.09	.33	4	2.7	2	31+	1	0	0	
STEELE	21.6	- 2.7M	9.5M	- 5.2	53	1	-19	19	1722	0	25	31	18	.38	.06	.12	22	9.5	6	22	2	0	0	
TUTTLE	20.0M	- 6.0M	7.0M		51	1	-22	19	1802	0	26	31	21	.34		.15	22	4.5	3	31+	2	0	0	
DIVISION			7.8	- 5.8										.52	.08			6.2						
EAST CENTRAL DIVISION																								
AMENIA	18.2	0.1	9.2		36	4+	-20	20	1727	0	28	31	16	.36		.09	22	6.0	6	22	0	0	0	
COOPERSTOWN	17.6	- 2.1M	7.8M		45	1	-20	10	1769	0	26	31	18	.43	-.14	.13	22	10.9	10	31+	2	0	0	
FARGO WB AIRPORT	//R	18.8	2.5	10.7	- 2.2	41	3	-21	20	1681	0	25	30	12	.57	-.03	.15	9	6.5	5	29+	2	0	0
HILLSBORO	17.1	0.8	9.0	- 4.0	36	3	-19	15	1734	0	29	31	15	.53	-.04	.20	9	6.0			2	0	0	
MAYVILLE	16.5	1.5	9.0	- 4.5	32	25	-19	20	1733	0	31	31	12	.71	.22	.19	19	6.8	4	25+	4	0	0	
SHARON	15.8	- 2.2	6.8	- 4.9	42	1	-18	20	1801	0	28	31	19	.64		.16	4	6.7	6	31+	4	0	0	
VALLEY CITY	17.5	1.0	9.3	- 6.1	46	2+	-21	20	1725	0	26	31	15	.73	.22	.37	18	6.8	4	31+	2	0	0	
DIVISION			8.8	- 4.2										.57	.04			7.1						
SOUTHWEST DIVISION																								
AMIDON	25.4M	- 1.0M	12.2M		47	1	-19	14+	1632	0	19	31	18	.05		.03	22	1.5			0	0	0	
REACH	25.7	- 0.9	12.4		52	2	-23	14	1630	0	18	31	15	.14		.10	8	2.0	2	16+	1	0	0	
BELFIELD	24.3	0.2M	12.3M		53	1	-24	12	1629	0	23	31	19	.15		.10	25				1	0	0	
BOWMAN COURT HOUSE	27.0M	2.4M	14.7M	- 6.5					1558	0	16	31		T		T	30+				0	0	0	
DICKINSON FAA AIRPORT	//R	24.4	0.2	12.3	55	1	-21	19	1630	0	20	31	17	.19		.09	8	2.0	2	24+	0	0	0	
DICKINSON EXP STATION	24.4	- 4.2	10.1	- 7.4	54	2	-26	12	1698	0	20	31	19	.11	-.21	.05	9				0	0	0	
FAIRFIELD	24.2	- 0.3	12.0		53	1	-25	19	1636	0	24	31	17	.23		.10	8	4.0	4	24+	1	0	0	
HETTINGER	27.1M	2.2M	14.7M	- 6.6	55	1	-17	11	1577	0	16	31	15	T	-.23	T	29+	.3	T	30+	0	0	0	
MARMARTH	29.3	0.0	14.7	- 5.9	55	2	-26	12+	1555	0	15	31	13	.10	-.28	.05	30+	1.0	1	30+	0	0	0	
MEDORA 3 NNE	27.4	- 5.8M	10.8M		57	1	-36	12	1673	0	16	31	20	.06		.04	8	2.9	3	24+	0	0	0	
MOTT	28.3	- 2.3	13.0	- 6.8	56	1	-22	14+	1607	0	17	31	19	T	-.30	T	30+		T	24+	0	0	0	
NEW ENGLAND	27.0	0.3	13.7	- 6.2	54	1	-21	14+	1587	0	17	31	17	.08	-.30	.05	8				0	0	0	
RICHARDTON ARREY	26.5	2.1	14.3	- 4.9	53	1	-21	19	1566	0	22	31	15	.22	-.14	.07	22+	1.8	1	23+	0	0	0	
TROTTERS 3 S	23.3	0.5	11.9		52	1	-23	19	1641	0	23	31	17	.15	-.23	.11	8	3.2	3	23+	1	0	0	
DIVISION			12.8	- 7.0										.11	-.21			1.9						
SOUTH CENTRAL DIVISION																								
ALMONT 7 SW	25.4	2.8	14.1		54	1	-19	19	1573	0	23	31	15	.11		.04	21		2	22	0	0	0	
BISMARCK WB AIRPORT	//R	21.5	- 1.6	10.0	- 5.5	57	1	-19	29+	1701	0	27	31	18	.88	.48	.35	22	5.8	3	25+	2	0	0
BREIEN	25.4M	- 1.2M	12.1M		57	1	-19	13	1643	0	24	31	17	.13		.08	4	6.0			0	0	0	
CARSON	23.6	- 0.2M	11.7M	- 6.9	55	2	-20	19	1650	0	22	31	16	.10	-.25	.05	4	2.0			0	0	0	
FORT YATES	22.7	0.6	11.7	- 7.4	58	2	-16	12	1648	0	25	31	15	.37	.07	.13	4				1	0	0	
LINTON	24.2	- 3.1	10.6	- 6.2	54	1	-22	29+	1685	0	23	31	22	.40	.09	.20	22	5.0	4	24+	2	0	0	
MANDAN EXP STATION	20.5	- 1.9	9.3	- 6.9	56	2	-18	20+	1724	0	26	31	16	.40	.03	.16	22	5.4	4	25+	2	0	0	
MANDAN FT LINCOLN PARK	24.8	0.2	12.5		55	1	-19	19	1622	0	25	31	16	.72		.31	4	6.0	5	24+	2	0	0	
MOFFIT 4 SE	22.6M	- 4.0M	9.3M		53	1	-22	29+	1719	0	24	31	21	.45		.30	22	5.3	2	24+	2	0	0	
NEW SALEM 1 SE	23.4	0.5	12.0	- 5.6	58	1	-20	19	1643	0	26	31	15	.17	-.13	.04	18+	2.2			0	0	0	
DIVISION			11.3	- 6.4										.37	.05			4.7						
SOUTHEAST DIVISION																								
ASHLEY	21.3	- 1.7	9.8	- 5.8	53	1	-19	20	1707	0	26	31	18	.32	.04	.20	22	4.5	5	24+	1	0	0	
EDGELEY EXP FARM	19.7M	- 1.7M	9.0M	- 6.1	54	2	-19	20	1731	0	25	31	17	.31	-.03	.22	9	4.5	4	31+	1	0	0	
ELLENDALE	22.4	1.1	11.8	- 4.5	48	1	-18	13	1644	0	23	31	17	.57	.06	.20	9	7.0	6	24+	3	0	0	
ENDERLIN	19.6	1.2	10.4		47	2	-23	21+	1692	0	27	31	12											
FORMAN	20.6	0.3	10.5		53	1	-22	20+	1684	0	25	31	13	.36	-.16	.22	18				2	0	0	
FULLERTON	22.5	1.4	12.0	- 4.5	50	5	-16	13	1638	0	23	31	16	.33	-.45	.09	9	2.8			0	0	0	
GACKLE	20.0	- 2.3	8.9		51	1	-19	19	1737	0	23	31	17	.21		.07	22	5.7	5	24+	0	0	0	
GRAND RAPIDS 1 N	21.1	- 0.7	10.2		48	1	-23	20	1692	0	23	31	18	.59		.18	9	9.0	6	28+	2			

NORTH DAKOTA
DECEMBER 1961

See reference notes following Station Index.

DAILY PRECIPITATION

Continued

NORTH DAKOTA
DECEMBER 1961

Station	Total	Day of Month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
POWERS LAKE 1 N	.14																															
PRETTY ROCK	.27																															
RAIM 10 SSW	.03																															
REEDER	.10																															
REEDER 14 N	.02																															
RICHARDSON ARREY	.22																															
RIVERDALE	.35																															
ROLLA	.74																															
RUGBY	.45																															
RYDER	.20																															
SAN HAVEN	.18																															
SELFIDGE 5 W	.13																															
SENTINEL BUTTE 20 S	.64																															
SHARON	.04																															
SHERWOOD 3 N	.30																															
SHIELDS	.07																															
STANLEY	.32																															
STEELE	.38																															
SYKESTON	.57																															
TAGUS	.11																															
TIOGA 1 E	.31																															
TOWNER	.24																															
TROTTERS 3 S	.15																															
TURTLE LAKE	.47																															
TUTTLE	.34																															
UNDERWOOD	.55																															
UPHAM 3 N	.24																															
VALLEY CITY	.73																															
VELVA	.38																															
VERONA	.12																															
WAMPETON	.59																															
WALMALLA	.82																															
WARWICK	.83																															
WASHBURN	.12																															
WATAUGA 5 OAKOTA 8 N	.17																															
WATFORD CITY	.13																															
WATFORD CITY 14 S	.19																															
WESTHOPE	.45																															
WILOROSE	.50																															
WILLISTON WR CITY	.44																															
WILLISTON EXP FARM	.22																															
WILLOW CITY	.27																															
WILTON	.12																															
WISHEK	.12																															
WOODWORTH	.12																															

DAILY TEMPERATURES

NORTH DAKOTA
DECEMBER 1961

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
ALMONT 7 SW	MAX	54	39	31	31	49	33	31	27	8	-1	10	3	25	11	30	39	28	15	2	24	22	27	28	34	45	30	13	12	23	32	33	25.4	
	MIN	25	5	11	13	22	15	6	7	-14	-10	-10	-14	-10	-9	-2	14	11	0	-19	-12	-4	-4	-6	16	27	4	4	-5	-8	16	18	2.8	
AMENIA	MAX	34	31	36	36	32	31	18	18	15	2	4	2	8	16	13	16	14	21	14	0	18	25	21	23	27	19	8	9	13	16	23	18.2	
	MIN	21	15	18	15	11	17	4	2	0	-12	-13	-10	-12	-12	-19	-9	0	1	-9	-20	-4	17	8	2	3	1	-7	-3	4	-6	0	0.1	
AMIDON	MAX	47	42	38	36	37	38	28	30	28	-4	3	9	14	5	28	34	30	8	-4	39	28	30	34	40	34	24	10	20	30		25.4		
	MIN	26	14	14	11	13	14	10	14	-17	-12	-16	-19	-16	-19	-16	-14	-1	-7	-10	-7	-6	5	12	7	8	-2	-5	-7	-3		-1.0		
ARVILLA STATE PARK	MAX	31	30	23	26	30	31	16	13	5	0	0	-1	11	12	11	18	15	4	0	19	4	4									13.4		
	MIN	18	10	12	10	0	11	1	-6	-5	-14	-18	-17	-17	-18	-25	0	-1	-13	-21	0	0	-8									-5.2		
ASHLEY	MAX	53	38	36	37	42	30	25	23	14	0	0	0	14	23	15	30	22	15	8	4	19	21	18	23	28	30	14	9	16	26	27	21.3	
	MIN	12	12	15	12	12	12	3	8	-10	-12	-17	-16	-6	-13	-13	-5	1	6	-16	-19	-14	0	0	0	12	3	0	5	-5	-17	-10	16	-1.7
BEACH	MAX	45	52	33	39	38	43	26	33	20	0	-1	5	13	23	8	30	32	23	2	11	35	34	18	36	43	36	23	12	20	29	35	25.7	
	MIN	20	10	8	9	10	21	8	7	-17	-15	-20	-21	-22	-23	-18	5	0	2	-21	-20	1	-6	2	16	26	2	-3	-12	-11	11	20	-0.9	
BELCOURT INDIAN RES	MAX	31	28	21	27	32	30	14	12	5	-5	4	4	5	1	11	24	15	6	-9	-2	5	17	10	13	29	11	0	8	10	20	17	12.7	
	MIN	12	0	4	7	6	9	-8	-8	-21	-20	-20	-17	-14	-17	-17	-5	-1	-9	-19	-19	-3	4	-18	-11	11	-5	-15	-3	-12	-17	11	-6.9	
BELFIELD	MAX	53	28	36	34	44	31	33	23	16	1	7	1	24	19	29	27	21	10	-1	31	29	10	31	41	38	26	11	14	23	33	30	24.3	
	MIN	23	5	13	11	20	16	7	-4	-12	-14	-22	-24	-19	-2		-3	-1	-6	-22	-5	-3	-5	0	18	26	4	-3	-7	-17	13	20	0.2	
BEULAH	MAX	55	30	29	34	49	34	34	23	9	0	6	-3	25	10	25	37	21	14	1	17	16	18	26	37	41	29	7	15	23	29	28	23.2	
	MIN	10	3	12	11	11	16	0	6	-16	-17	-16	-21	-11	-12	0	-4	8	1	-21	-14	-5	-4	-13	-1	26	3	-4	-5	-20	13	19	-1.5	
BISBEE	MAX	36	30	28	28	29	29	15	14	7	-2	-1	3	9	5	17	13	8	-5	-4	-1	8	12	6	14	35	8	2	6	16	21	19	13.1	
	MIN	15	4	7	6	6	11	-3	-2	-14	-20	-13	-15	-12	-19	-14	1	-6	-18	-16	-12	-1	6	-17	-11	8	-8	-11	-6	-9	-14	8	-5.5	
BISMARCK WB AIRPORT	MAX	58	26	37	28	44	30	25	27	4	0	11	10	30	9	27	31	21	16	-3	6	26	20	12	24	41	19	7	10	12	30	28	21.5	
	MIN	17	10	17	9	13	11	0	4	-8	-10	-13	-16	-11	-12	-4	2	5	-5	-19	-15	-4	-10	-16	-2	13	2	-4	-5	-19	11	10	-1.6	
BOTTINEAU	MAX	21	39	12	24	22	32	19	15	11	-4	-3	-1	4	12	0	15	25	15	3	-8	2	17	8	10	30	29	2	0	5	11	22	12.5	
	MIN	4	0	3	-1	-1	11	-6	-5	-24	-22	-23	-22	-17	-28	-21	-8	-6	1	-27	-28	10	0	-17	-16	8	-10	-14	-10	-20	-20	9	-10.2	
BOWBELLS	MAX	23	45	16	28	31	40	18	23	8	-3	-5	-2	3	14	5	19	30	10	-1	-5	7	9	-1	25	38	22	0	-3	4	23	22	14.3	
	MIN	5	-1	3	4	5	18	-3	-3	-16	-14	-16	-17	-12	-23	-22	3	5	-4	-29	-29	-7	-5	-13	-3	22	-6	-11	-14	-17	-13	6	-6.7	
BOWMAN COURT HOUSE	MAX		39	38	38		28	35	21	10	0	7	3	24	7	34	38	23				42	36			38	26	12	20	30	38	24	27.0	
	MIN	16	11	12	21	9	10	-12	-10		-18	-18	-17	-16		1	12	4	-16	-13	9	2	25	38	45	38	2	-4	-2	24	22	2.4		
BREIEN	MAX	57	45	34	34	48	40	32	25	22	3	8	5	28	27	28	31	22	20	7	12	22	25	19		42	25	20	12	13	31	26	25.4	
	MIN	12	9	15	15	3	22	4	14	-8	-9	-15	-16	-19	-10	-5	5	3	6	-16	-16	-11	-1	-14			-7	-5	0	-5	10	14	-1.2	
BUTTE	MAX	25	52	20	28	29	44	25	23	11	-1	0	-3	7	21	5	18		14	5	-4	6	15	5	20	40	35	9	1	9	16	26	16.7	
	MIN	8	0	2	8	8	23	-2	-1	-15	-14	-13	-13	-14	-17	-17	5	-1	-22	-22	-7	2	-13	-8	15	0	-6	-8	-15	-13	13	-4.6		
CARRINGTON	MAX	23	51	19	32	25	39	28	16	16	-3	0	5	5	17	3	17	32	15	8	-10	1	19	16	13	30	36	9	2	8	15	23	16.5	
	MIN	10	8	9	9	9	23	2	-4	-10	-14	-14	-16	-16	-13	-14	-2	3	5	-15	-19	-16	-3	-13	-12	3	3	-6	-7	-12	-11	10	-4.0	
CARSON	MAX	43	55	22	33	36	48	26	30	23	1	1	8	8	27	7	30	38	18	10	0	24	28	6	26	38	40	23	8	15	22	37	23.6	
	MIN	15	5	8	11	12	21	4	12	-13	-11	-17	-19	-13	-10	-7	2	5	8	-20	-14	-6	-3	-10	-12	22	3	-3	-6	-15	20	-0.2		
CAVALIER	MAX	27	26	25	27	20	16	15	15	3	-2	4	0	4	2	10	13	12	7	0	-3	14	26	17	14	39	21	0	8	13	13	19	13.1	
	MIN	19	7	9	10	-2	10	4	-6	-7	-16	-16	-14	-14	-18	-20	-3	2	-1	-12	-17	-3	14	-7	-15	11	-5	-9	0	2	-9	9	-3.1	
CENTER	MAX	51	42	29	31	49	34	28	24	11	0	8	4	27	20	26	36	25	15	4	10	19	19	22	25	40	22	10	10	18	28	25	23.0	
	MIN	13	7	12	10	15	9	8	3	-13	-14	-15	-11	-17	-22	-7	-3	-3	-3	-10	-16	-15	-4	-15	-7	22	-5	-4	-4	-4	3	10	-2.6	
COOPERSTOWN	MAX	45	39	32	32	35	34	17	13	8	-5	1	2	16	16	14	24	17	10	4	0	14	25	11	15	33	24	2	10	12	22	23	17.6	
	MIN	20	12	12	10	10	14	0	-2	-7	-20	-14	-18	-14	-15	-15	2	5	4	-14	-19	-1	10	-10	-13	6	-1	-8		2		2	-2.1	
CROSBY	MAX	40	17	33	29	37	30	29	16	-1	-3	8	5	16	3	18	28	21	12	-5	13	13	13	19	34	35	12	1	8	20	23	35	18.0	
	MIN	6	-4	5	1	13	8	-5	-11	-16	-12	-19	-20	-17	-25	-8	3	7	-15	-29	-20	-2	-13	-12	3	10	-9	-10	-17	-19	13	13	-6.5	
DEVILS LAKE WB CITY	MAX	47	17	28	24	34	25	16	9	4	-2	1	3	14	0	13	25	13	7	-8	1	18	22	2	20	32	4	3	6	9	20	21	13.8	
	MIN	17	6	12	6	9	6	-1	-5	-12	-15	-13	-18	-12	-16	-15	1																	

Continued

DAILY TEMPERATURES

NORTH DAKOTA
DECEMBER 1961

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
GARRISON	MAX MIN	23 10	50	28	25	29	41	28	24	9	-2	1	6	0	15	3	18	12	11	5	-3	8	13	9	14	37	42	10	0	11	16	30	16.7 -7.8
GRAFTON	MAX MIN	30 18	30	28	30	23	21	16	14	4	-2	2	2	6	7	11	16	15	13	3	-1	15	27	25	15	32	28	3	9	13	15	20	15.2 -2.6
GRANO FORKS FAA AIRPORT	MAX MIN	31 22	24	32	32	31	21	15	10	8	-3	0	1	13	5	12	20	14	16	1	8	26	27	16	17	30	16	4	10	14	18	21	15.8 -0.7
GRANO FORKS UNIVERSITY	MAX MIN	29 20	28	31	31	30	30	14	13	7	-3	1	0	9	11	12	18	12	17	-2	2	22	27	23	15	28	24	1	8	12	16	19	15.6 -1.1
GRANO RAPIOS 1 N	MAX MIN	48 20	37	38	37	46	39	22	20	16	0	4	4	12	8	14	19	22	19	12	3	15	20	12	23	38	33	10	19	16	23	26	21.1 -0.7
GRANVILLE	MAX MIN	54 9	23	25	30	44	32	26	12	5	0	7	6	12	2	21	37	21	9	-5	8	12	13	11	29	38	17	3	9	19	26	21	18.3 -4.4
GRENORA	MAX MIN	43 8	18	33	32	36	32	29	14	0	-1	5	4	18	3	24	31	23	15	-12	14	18	15	23	39	34	12	5	5	22	23	26	18.8 -6.2
HANKINSON R R STATION	MAX MIN	39 19	38	36	39	25	40	31	17	25	15	3	2	3	21	0	15	18	22	23	2	5	24	21	11	16	32	14	6	10	15	21	19.0 -1.5
HANNAH	MAX MIN	31 14	25	25	27	23	18	17	11	4	-5	0	3	5	-1	11	24	18	6	-7	-1	13	23	7	15	30	12	-2	-1	12	17		12.0 -8.1
HANSBORO	MAX MIN	36 6	35	21	26	36	30	19	8	6	-4	5	5	6	2	14	26	22	8	-10	-1	8	19	9	13	32	11	1	2	13	19	19	14.1 -8.3
HETTINGER	MAX MIN	55 25	40	33	34	43	13	36	25	1	2	8	3	26	14	33	41	27	15	8	43	34	16	38	44	40	27	14	17	25	38	34	27.1 -2.2
HILLSBORO	MAX MIN	31 20	29	36	30	32	33	17	12	12	2	5	1	6	12	12	18	16	21	13	0	15	26	24	12	27	22	8	9	14	15	21	17.1 0.8
JAMESTOWN FAA AIRPORT	MAX MIN	53 18	28	35	27	43	30	19	19	6	-1	6	4	21	5	13	23	20	13	-3	4	20	20	14	17	36	13	3	12	15	25	22	18.1 -2.2
JAMESTOWN STATE HOSP	MAX MIN	51 19	35	34	34	42	37	17	17	14	-1	3	5	21	21	12	20	17	15	4	16		20	12	16	37	30	6	12	13	23	23	20.2 -1.1
KEENE 2 S	MAX MIN	53 10	28	35	40	36	42	28	20	-8	-6	-4	-1	18	24	26	31	28	15	-10	17	20	27	25	37	34		8	5	24	20	30	21.4 -3.8
KENMARE	MAX MIN	27 5	47	20	30	32	41	22	27	10	0	-2	6	5	16	6	20	32	12	1	-5	7	11	1	25	39	27	3	-1	8	24	25	16.6 -5.2
KENSAL WILDLIFE REFUGE	MAX MIN	52 12	45	34	34	40	39	18	16	15	-2	3	-10	-12	-14	-16	27	17	15	3	2	10	20	13	18	37	37	7	10	15	23	25	20.3 -2.4
LANGOON EXP FARM	MAX MIN	32 15	29	27	25	23	20	13	9	1	-5	-2	-1	6	5	11	21	15	8	-4	-5	9	25	10	12	31	14	-3	7	10	17	15	12.1 -6.8
LARIMORE	MAX MIN	32 18	31	24	31	33	31	16	13	5	-3	3	0	15	15	14	20	15	8	2	-1	20	29	18	15	33	25	4	9	14	20	21	16.5 -2.9
LEEOS	MAX MIN	44 17	32	24	24	34	31	20	9	6	-1	-1	2	14	8	15	28	21	8	-4	2	17	20	2	19	37	13	0	5	9	23	22	15.6 -5.6
LINTON	MAX MIN	54 14	44	42	33	44	40	26	26	20	9	4	4	25	26	22	22	23	22	10	9	24	22	8	25	39	34	16	11	10	30	27	24.2 -3.1
LISBON	MAX MIN	49 20	47	36	36	38	38	22	20	20	0	2	3	11	17	17	17	20	20	20	2	12	20	16	14	32	32	13	11	16	20	24	20.8 1.2
LOSTWOOD 12 N	MAX MIN	44 11	15	33	27	41	31	26	17	-2	-5	4	2	14	6	16	28	21	9	1	9	9	10	19	32	37	22	-3	8	17	17	22	17.0 -7.3
MAOONCK AGRI SCHOOL	MAX MIN	49 15	40	25	26	39	35	17	10	17	-1	1	-3	16	9	17	29	20	9	-1	2	10	17	6	24	36	20	0	6	10	22	22	17.1 -5.8
MANDAN EXP STATION	MAX MIN	24 12	56	23	32	31	47	25	28	25	2	0	8	5	25	9	27	33	16	9	-3	11	23	4	10	38	41	19	7	12	18	30	20.5 -1.9
MANDAN FT LINCOLN PARK	MAX MIN	55 14	48	34	32	47	40	25	26	20	3	8	7	26	25	26	32	23	18	12	7	22	15	18	26	41	32	16	13	12	31	28	24.8 0.2
MARMARTH	MAX MIN	50 20	55	39	40	37	44	30	37	23	0	1	10	13	26	12	36	39	30	2	13	44	40	21	42	46	39	29	15	24	34	37	29.3 0.0
MAX	MAX MIN	23 9	52	19	29	29	46	19	24	11	1	-1	6	5	20	5	18	30	13	4	-4	7	14	3	18	37	35	10	0	11	17	27	17.0 -5.7
MAYVILLE	MAX MIN	28 21	28	30	31	30	30	15	15	8	3	-2	-2	13	13	12	18	14	8	5	6	17	27	25	19	32	26	7	9	14	18	21	16.5 1.5
MC CLUSKY	MAX MIN	51 15	44	28	27	44	37	14	18	10	-2	3	5	20	16	17	29	19	12	3	5	13	12	14	24	37	26	6	8	9	27	28	19.5 -4.5
MC HENRY 5 N	MAX MIN	47 18	34	31	31	35	33	12	11	5	-4	2	3	15	15	11	25	17	8	1	0	12	23	8	12	32	22	0	6	10	22	22	16.2 -4.8
MC LEOO 3 E	MAX MIN	40 20	33	38	38	36	36	20	22	22	0	0	2	12	17	14	16	22	22	22	2	18	24	17	17	31	26	6	11	13	17	20	19.8 0.2
MC VILLE	MAX MIN	44 18	34	30	29	-3	13	13	12	6	-3	1	1	15	-3	13	24	14	8	1	1	15	24	6	18	33	22	8	11	20	20	26	15.2 -6.0
MEORA 3 NNE	MAX MIN	57 14	31	38	39	47	34	36	21	2	1	5	4	26	19	33	36	26	19	0	32	33	34	38	42	43	26	15	19	23	36	33	27.4 -5.8
MINOT FAA AIRPORT	MAX MIN	51 9	16	28	31	44	31	26	9	2	-1	7	6	15	2	18	32	15	7	-8	7	11	11	16	34	39	7	0	12	15	27	31	17.5 -3.5
MINOT EXP STATION	MAX MIN	26 8	50	16	28	32	48	23	25	10	-1	-1	5	5	18	5	16	31	12	5	5	5	11	4	18	37	32	6	0	9	16	26	16.8 -5.3
MOFFIT 4 SE	MAX MIN	53 12	47	38	32	43	38	24	22	18	-1	4	5	24	23	21	23	17	5	8	20		18	3	27	38	35	15	10	14	29	26	22.6 -4.0
MOHALL	MAX MIN	23 5	40	12	25	30	42	21	27	7	-2	-2	-2	2	10	3	18	34	11	-2	-9	3	11	4	8	28	24	4	-5	8	18	25	13.4 -8.7
MOTT	MAX MIN	56 20	35	37	34	48	31	32	35	12	1	10	4	27	21	24	42	21	16	4	39	31	32	36	42	42	30	12	-19	25	37	33	28.3 -2.5

See reference notes following Station Index.

Continued

DAILY TEMPERATURES

NORTH DAKOTA
DECEMBER 1961

Station		Day Of Month																															Average	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MUNICH 4 SW	MAX	31	25	24	24	25	24	12	12	5	-5	-2	0	8	2	11	18	14	6	-5	-2	9	20	5	13	33	12	-3	3	12	18	18	-11.8	
	MIN	14	4	6	4	2	8	-5	-11	-12	-22	-18	-21	-21	-23	-20	-3	-1	-5	-16	-21	-3	4	-16	-10	10	-10	-15	-5	-10	-11	10	-7.0	
NAPOLEON	MAX	53	37	38	36	43	37	23	23	20	-5	2	2	23	22	20	30	18	15	4	8	17	18	14	27	36	27	7	7	13	27	22	21.4	
	MIN	18	10	14	11	10	12	-1	8	-13	-13	-15	-18	-16	-16	-12	-1	0	2	-19	-20	-6	-1	-17	-3	16	-1	-6	-5	-25	-6	17	-3.1	
NEW ENGLAND	MAX	54	37	38	34	47	31	34	27	4	-1	8	1	25	18	35	39	23	15	3	40	32	30	35	42	40	26	12	15	23	35	34	27.0	
	MIN	22	7	11	11	19	17	7	4	-12	-12	-21	-19	-18	-21	-4	1	0	-6	-19	-7	0	-2	-2	12	24	6	-1	-7	-15	14	21	0.3	
NEW SALEM 1 SE	MAX	58	40	28	32	49	32	31	27	8	-1	8	4	25	7	27	36	25	14	-1	15	19	22	23	32	45	23	7	13	20	29	27	23.4	
	MIN	7	4	15	11	21	12	2	6	-13	-13	-15	-16	-10	-10	-4	10	11	-3	-20	-15	7	-6	-7	10	21	3	-5	-5	-10	13	15	0.5	
NEWTOWN	MAX	53	30	30	30	45	32	28	17	0	-1	-4	-3	18	10	21	29	20	14	-3	10	10	15	16	28	39	18	4	4	15	22	25	18.5	
	MIN	12	2	13	9	18	16	1	0	-14	-10	-14	-17	-15	-10	-2	-1	5	-3	-26	-13	-1	-7	-10	2	18	0	-6	-12	-22	14	17	-1.8	
OAKES	MAX	30	47	27	39	25	43	30	21	19	3	1	2	1	20	7	14	17	19	18	-4	7	24	14	10	19	38	16	4	4	11	15	24	18.1
	MIN	17	19	20	16	10	20	6	4	13	-11	-22	-20	-20	-14	-20	0	-3	10	-6	-23	-15	-9	3	-4	7	5	-3	-4	-2	-11	1	-1.5	
PARK RIVER	MAX	38	30	23	28	22	22	16	12	4	-2	3	-1	8	10	12	15	15	7	1	-3	13	25	19	11	33	22	3	10	14	19	18	14.4	
	MIN	17	9	11	10	3	13	2	-7	-7	-15	-13	-15	-7	-17	-21	-2	2	1	-10	-18	-3	12	-7	-13	10	-4	-10	-3	4	-10	4	-2.7	
PARSHALL	MAX	52	42	28	33	45	34	30	20	-1	2	-1	0	18	10	18	32	21	13	-4	10	11	15	17	32	37	26	6	8	19	25	25	20.1	
	MIN	10	0	10	6	14	13	-1	10	-21	-19	-22	-29	-23	-17	-6	-4	-1	-5	-29	-15	-1	-8	-15	-3	21	-2	-8	-15	-25	-10	12	-5.9	
PEMBINA	MAX	28	28	29	29	21	14	13	13	2	-4	0	-4	5	5	10	15	15	7	1	2	21	27	17	14	30	15	1	7	11	13	19	13.0	
	MIN	18	7	13	2	-8	7	-1	-14	-12	-21	-13	-21	-16	-21	-22	0	0	0	-16	-21	-13	16	-13	-23	12	-9	-13	0	-1	-13	-2	-6.4	
PETERSBURG	MAX	37	32	26	29	32	30	14	9	5	-4	2	0	13	10	14	25	13	7	0	-1	15	23	12	12	32	16	0	8	12	19	18	14.8	
	MIN	16	7	10	8	5	8	0	-5	-9	-17	-14	-17	-14	-16	-18	1	2	-1	-15	-19	-3	12	-12	-10	9	-4	-12	-5	-1	-6	9	-3.6	
PETTIBONE	MAX	50	40	32	32	39	36	17	12	-2	3	5		19	17		28	18	12	2	2	9	11		27	37	15	7	9	10	25	24	19.1	
	MIN	15	6	9	9	6	11	-5	-12	-14	-19	-18	-17	-19	-13		5	2	2	-20	-20	-12		-4		14	1	-10	-3	-20	-8	16	-4.2	
PORTAL	MAX	23	44	18	26	29	36	15	21	8	-3	-4	1	5	13	5	20	32	12	2	-5	7	9	2	22	20	-2	-3	5	23	24	13.5		
	MIN	4	-1	2	4	4	15	-3	-2	-18	-17	-18	-21	-13	-25	-24	3	2	-4	-33	-34	-6	-8			-6	-10	-18	-18				-8.8	
POWERS LAKE 1 N	MAX	24	42		30	30	43	16	22	16	-6	-5	4	3	15	5	20	25	15	-2	2	10	13	-5		20	10	0	8	30	28	14.8		
	MIN	5	-2	0	0	0	16	-10	-10	-23	-22	-23	-25	-17	-29	-18	-2	5	-2	-36	-36	-2	-8	-17	-8	3	-9	-10	-16	-28	-21		-11.5	
RAUB 10 SSW	MAX	30	30	28	35	42	34	31	29	-1	-2	5	0	22	6	18	33	26	12	-5	10	13	15	10	35	39	34	9	18	26	25	29	20.5	
	MIN	24	10	11	15	5	16	4	-8	-12	-12	-14	-15	-10	-10	0	10	3	-5	-24	-10	-1	-6	-10	-5	20	0	-8	-7	-11	10	19	-0.7	
RICHAROTON ABBEY	MAX	53	45	31	33	46	33	31	27	8	-5	7	2	24	21	28	37	28	18	3	30	25	29	31	37	43	32	16	13	23	33	29	26.5	
	MIN	27	3	15	11	19	19	6	6	-12	-11	-15	-16	-13	-15	-3	10	7	2	-21	-12	-2	-5	-2	14	30	2	-4	-4	-10	19	19	2.1	
RIVEROALE	MAX	25	51	20	31	34	46	25	25	14	-2	0	6	3	21	4	20	32	16	6	-3	9	16	3	18	41	39	14	4	11	20	28	18.6	
	MIN	11	5	4	13	13	23	9	5	-8	-6	-14	-14	-15	-9	-12	4	3	2	-18	-19	-4	2	-10	-10	7	4	-4	-5	-16	-15	8	-2.1	
ROLLA	MAX	33	27	25	28	34	30	20	15	3	-3	5	7	15	0	11	25	14	6	-4	2	13	18	10	15	29	10	1	8	10	23	19	14.5	
	MIN	14	1	6	7	10	6	-2	-1	-15	-16	-16	-10	-6	-15	-14	-3	4	-4	-17	-17	-2	0	-16	-10	9	-4	-12	-2	-6	-4	12	-4.0	
RUGBY	MAX	43	35	24	26	35	32	18	14	10	0	1	4	18	7	16	29	25	8	-1	0	15	14	6	23	36	18	10	7	24	24	17.1		
	MIN	16	5	10	6	10	9	-4	0	-20	-16	-15	-18	-12	-21	-13	-2	-4	-2	-25	-15	-2	1	-16	-5	17	-6	-10	-4	-20	-6	15	-4.7	
SAN HAVEN	MAX	36	36	23	28	31	31	15	13	9	-3	5	5	7	3	13	28	25	9	-3	-1	7	17	16	32	35	9	0	10	13	22	20	15.5	
	MIN	12	1	6	7	7	10	-5	3	-20	-18	-18	-12	-12	-16	-13	-2	1	-6	-20	-17	-1	4	-10	0	7	-5	-10	-5	-5	-6	12	-4.2	
SHARON	MAX	42	35	28	30	32	35	15	8	3	-5	0	-1	15	15	14	25	15	9	3	-1	16	25	10	11	32	23	1	5	10	20	20	15.8	
	MIN	19	10	12	10	8	13	-1	-1	-9	-15	-14	-16	-14	-16	-16	2	5	2	-15	-18	-4	9	-7	-10	10	-2	-10	-5	0	-3	8	-2.2	
STANLEY	MAX	48	16	32	33	44	30	22	15	-1	3	5	3	15	14	17	32	19	10			8	20	26		26	18		4	12	14		18.4	
	MIN	9	-1	9	5	16	11	0	-6	-16	-14	-18	-14	-16	-5		5	4		-34	-16	-15		-15	-2	2	0	-3	-20	-24	-6		-6.1	
STEELE	MAX	53	43	35	32	43	22	22	20	17	0	5	6	23	23	21	29	23	15	4	9	16	16	12	27	38	33	8	10	12	27	27	21.6	
	MIN	14	7	17	11	12	11	0	5	-13	-14	-14	-17	-15	-17	-12	7	3	2	-19	-18	-11	0	-12	-2	20	3	-5	-4	-17	-3		-2.7	

NORTH DAKOTA
DECEMBER 1961

Continued

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WILTON	MAX	53	40	28	28	45	37	22	23	12	-2	4	-2	18	16	20	30	23	14	3	5	16	12	17	24	40	25	10	8	12	27	24	20.5
	MIN	15	2	12	10	12	11	2	8	-14	-9	-15	-16	-14	-11	-11	6	4	2	-21	-15	-5	-5	-10	2	20	2	-6	-9	-6	-2	12	-1.6
WISHEK	MAX	29	51	23	37	27	43	30	24	23	1	-1	0	2	24	6	19	29	20	12	-6	6	20	9	15	31	38	15	4	8	17	27	18.8
	MIN	10	11	12	12	13	25	1	-1	-11	-14	-18	-17	-17	-18	-16	3	-4	-1	-18	-21	-16	-11	-14	13	7	2	-6	-5	-18	-18	15	-4.4

Station

Station		Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ABERCROMBIE	SNOWFALL SN ON GND				.2 T	T 1	1.0 T	T 1	I 5	4.0 5	1.0 4	5 4	4 4	T 4	T 3	3 3	3 2	2 2	4.0 T	5 5	T 5	T 4	.5 4	4 4	4 4	4 4	4 4	T 4	.4 T	4 T	3 3	
ALMONT 7 SW	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	1 1	1 1	1 1	I 1	1 1	1 1	-	-	-	T T	T T	1 1	2 1	-	1 1	-	-	-	-	-	-	-	-
AMENIA	SNOWFALL SN ON GND						T T	T T		2.0 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	1.0 3	2.0 5	5 5	5 5	1.0 6	5 5	T 5	5 5	5 5	5 5	4 4	T 4	4 4	4 4
ASHLEY	SNOWFALL SN ON GND				T T		T T		T T	1.5 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	.5 2	2 2	T 2	2.5 5	5 5	5 4	4 4	T T	4 4	T 4	4 4	T 4	4 4	4 4
BEACH	SNOWFALL SN ON GND						T T		1.5 2	.5 2	2 2	2 2	2 2	T 2	T 2	2 2	2 2	1 1	T T	T 1	1 1	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T
BELLCOURT INDIAN RES	SNOWFALL SN ON GND	T	T	T T	.5 1	T 1	T 1	T 1	T 1	.4 1	1 1	1 1	1 1	.4 1	1 1	1 1	1 1	1 1	T 1	.8 2	2 2	.1 6	4.0 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6
BISMARCK WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV	T		.8 1	.6 1	T 1	T 1	.2 1	T 1	I 1	1 1	1 1	1 1	.1 1	T 1	1 1	1 1	T 1	.5 1	1 I	.5 I	.6 1	2.1 3	3 .3	3 .3	3 .3	2 .2	.2 .2	T .2	T .2	T .2	T .2
BOTTINEAU	SNOWFALL SN ON GND						T T	T T	1.5 2	1 1	1 1	1 1	1 1	.8 2	2 2	2 2	2 2	2 2	1.5 3	3 3	3 3	5 5	5 4	4 4	4 4	T T	T T	4 4	4 4	4 4	3 3	T 3
BOWBELLS	SNOWFALL SN ON GND	T	T	T T	T T	T T	T T	T T	1.0 T	T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	3.0 T	3 T	3 T	3 T	3 3	3 3	T 3	T 3	T 3	T 3	T 3	T 3	3 3
CAVALIER	SNOWFALL SN ON GND	T		T T	6.0 6	T 6	- 6	- 6	.5 6	- 6	- 6	- 6	5 5	5 5	6 6	- 6	- 6	- 6	.3 6	1.0 7	7 7	10 10	10 10	10 10	10 10	T 10	T 10	T 10	10 10	10 10	10 10	10 10
CENTER	SNOWFALL SN ON GND			.5 T	- T				T T	T T	T T	T T	T T	T T	T T	T T	T T	T T	.5 I	1 1	2 2	2 2	4.0 6	6 5	5 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3
CROSEY	SNOWFALL SN ON GND	T	T						.4 T	T T	T T	T T	T T	.4 T	T T	T T	T T	T T	3.0 T	3 T	3 T	2.5 4	5 3	4 3	3 3	3 3	3 3	T 3	2 2	2 2	2 2	2 2
DEVILS LAKE WB CITY	SNOWFALL SN ON GND	1	.1 1	4.4 1	.6 6	T 6	.4 6	T 6	.2 5	.4 5	5 5	5 5	5 5	1.2 T	5 6	5 5	5 5	5 5	.8 5	.5 6	.1 6	2.5 6	2.3 9	10 10	10 10	T 10	9 9	9 9	8 8	8 8	T 8	8 8
DICKINSON FAA AIRPORT	SNOWFALL SN ON GND						.1 T		1.0 T	1 1	1 1	1 1	1 1	T I	T 1	T 1	1 1	1 1	.4 I	1 I	1 1	.3 1	.2 2	2 2	2 2	1 1	T T	T T	T T	T T	T T	T T
DUNN CENTER 2 SW	SNOWFALL SN ON GND			T T	T T	T T		.5 1	1 1	3.5 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	4 4	.5 T	4 T	4 T	1.0 5	5 4	3 3	3 3	3 3	3 3	3 3	3 3	3 3	T 3
ELLENDALE	SNOWFALL SN ON GND						T T	T T	2.0 2	2.5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 4	1.0 5	1.0 6	1.0 T	1.0 T	.5 6	6 6	6 6	5 5	4 4	4 4	4 4	4 4	4 4	4 4	T 4
FAIRFIELD	SNOWFALL SN ON GND					T T	T T	T T	2.5 3	3 3	3 3	3 3	3 3	.5 3	3 3	3 3	3 3	3 3	.5 4	4 5	4 6	.5 6	4 6	4 6	4 6	3 3	T 3	3 3	T 3	3 3	3 3	3 3
FARGO WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV		T		.3 T	T T	.7 1	.8 1	1.9 1	.4 4	.4 4	.4 4	.4 4	.4 4	.4 4	.4 4	.4 4	.4 4	1.4 4	.8 5	T 5	T 5	T 5	T 5	.5 5	.5 5	.5 5	.5 5	.5 5	.5 5	.5 5	.5 5
FESSENDEN	SNOWFALL SN ON GND				5.0 5	T 3	2 2	1.0 3	3 3	3 3	3 3	3 3	T 3	3 3	3 3	2 3	2 2	2 2	1.0 3	3 3	3 3	2.5 6	6 5	2 5	2 5	2 5	2 5	2 5	2 5	2 5	2 5	2 5
FORT YATES	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRAND FORKS FAA AIRPORT	SNOWFALL SN ON GND	1	1	T 1	T I	.2 1	T 1	T 1	T 1	.3 1	1 1	1 1	1 1	.5 1	2 2	2 2	2 2	2 2	1.5 2	1.4 5	T 5	T 5	.6 6	6 6	6 6	.4 6	5 5	5 5	5 5	5 5	5 5	5 5
GRAND RAPIDS 1 N	SNOWFALL SN ON GND						1.0 1	T 1	1.0 1	3.0 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	2.0 5	1.0 6	-	5 5	.5 6	.5 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6
GRANVILLE	SNOWFALL SN ON GND			T T	T T	T T	T T	T T	.3 T	.5 5	1 1	1 1	T 1	.3 1	1 1	1 1	1 1	1 1	.3 1	1 2	.3 2	2 2	1.5 3	3 3	3 3	3 3	T 3	T 3	3 3	3 3	3 3	T 3
HANNAH	SNOWFALL SN ON GND	T	1	T 1	3.0 4	T 4	T 4	.3 4	4 4	.1 4	4 4	4 4	4 4	.3 5	5 5	5 5	5 5	5 5	T 5	.2 5	5 5	1.6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6
HETTINGER	SNOWFALL SN ON GND								T T	T T									T T	T T		.3 T	T T	T T	T T					T T	T T	T T
JAMESTOWN FAA AIRPORT	SNOWFALL SN ON GND		T	T T	T T	.3 T	.1 T	T T	2.0 T	1.0 3	3 3	3 3	3 3	.1 2	2 2	2 2	2 2	2 2	1.2 2	.4 4	4 4	.2 4	2.0 6	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5
KENSAL WILDLIFE REFUGE	SNOWFALL SN ON GND		T	T T	1.0 I	T 1	1.0 1	1 1	1 1	2.0 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	2 2	1.0 2	1.0 4	4 4	4 4	1.0 5	5 5	5 5	4 4	4 4	4 4	4 4	4 4	4 4	4 4
LANGDON EXP FARM	SNOWFALL SN ON GND	T			4.5 5	5 5	T 5	.2 5	.5 5	5 5	5 5	5 5	5 5	.3 5	T 5	.1 5	5 5	5 5	T 5	1.2 6	6 6	.3 6	2.6 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10
LEEDS	SNOWFALL SN ON GND		T	T T	6.0 4	2 2	2 2	2 2	2 2	.8 3	3 3	3 3	3 3	.4 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	7.0 10	9 9	8 8	8 8	7 7	7 7	7 7	7 7	7 7	7 7	7 7
LISBON	SNOWFALL SN ON GND				.1 T		.6 1	1 1	1 1	2.5 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	3 3	2.0 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5

See reference notes following Station Index.

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SNOWFALL AND SNOW ON GROUND

NORTH DAKOTA
DECEMBER 1961

Station		Day of month																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MARMARTH	SNOWFALL SN ON GND								.5	1	1	1	1	1	1	1	1	T	T	T	T	T	T	T	T	T	T	T	T	T	T	.5	T		
MAX	SNOWFALL SN ON GND	T			.1		.5	T		.8	1	1	1	1	T	1	1	1	1	T	.8	T	1.0	2.0	1.0	4	3	3	T	.3	3	3	T	3	
MAYVILLE	SNOWFALL SN ON GND	T	T	T	.2		.4	.1		1.5	1	1	1	1	.7	.1	1	1	1	1	.4	1.5	3	T	1.6	.1	T	T	3		.1	.1	T	3	
MC CLUSKY	SNOWFALL SN ON GND				.5	.5	T	T	T	.1	T	T	T	T	.2	1	1	1	1	1	.3	1	.2	1	3	3	3	3	3	3	3	3	3	3	
MC HENRY 5 N	SNOWFALL SN ON GND	T	T	2	2	.5	2	2	.7	3	3	3	3	3	.2	3	3	3	3	3	1.0	3	4	4	5	5	5	5	5	5	5	5	5	5	
MINOT FAA AIRPORT	SNOWFALL SN ON GND		T	T	T	T	T	T	2.0	2	T	1	1	1	.2	T	T	1	1	1	1	1	1	3	T	1.0	T	4	3	T	1.0	T	3	T	3
MOHALL	SNOWFALL SN ON GND						T	T	.5	1	1	1	1	1	.5	1	1	1	1	1	.5	2	2	2	2	3	3	3	3	3	3	3	T	3	
MOTT	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	T	T	-	-	-	-	-	-	-	-	T	T	T	T	T	T	T	-	-	-	-	-	-	-		
MUNICH 4 SW	SNOWFALL SN ON GND	2	1	1	4.5	5	5	.2	.5	5	5	5	5	.5	5	5	5	5	5	5	1.0	6	6	6	7	7	7	6	6	T	.1	T	6	6	
NAPOLEON	SNOWFALL SN ON GND	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	
PARK RIVER	SNOWFALL SN ON GND	2	2	2	-	5	5	5	5	7	6	5	5	4	4	4	4	4	4	4	2.0	5	5	5	8	8	8	7	7	7	7	6	6	6	
PARSHALL	SNOWFALL SN ON GND	T	T	T	T	T	T	1.5	2	2	2	2	2	2	T	T	2	2	2	T	.1	2	.3	.2	1.0	3	3	3	3	3	3	3	3	3	T
PETERSBURG	SNOWFALL SN ON GND	1	1	1	1.5	2	2	.1	.4	3	3	3	3	3	.1	.2	3	3	3	3	.2	.9	4	4	4	5	5	5	T	.1	5	5	5	5	5
PETTIBONE	SNOWFALL SN ON GND			2.0	2	.1	2	.1	2	2	2	2	2	2	2	2	2	2	2	.5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
PRETTY ROCK	SNOWFALL SN ON GND		T	1.0	T			T	T	1.0	1	1	1	1	1	1	1	1	1	T	1	1	1	3	3	3	1	1	1	1	1	1	1	1	.3
RICHARDTON ABBEY	SNOWFALL SN ON GND		T	T	.4	T	T	.2	.2	1	1	1	1	1	1	1	1	T	T	.3	T	T	T	.7	1	1	T	T	T	T	T	T	T	T	
RIVERDALE	SNOWFALL SN ON GND		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	.5	T	.5	1.0	.5	2	2	2	2	2	2	2	2	2	2
SHARON	SNOWFALL SN ON GND	T	T	T	1.0	.5	1	1	1	1.0	2	2	2	2	.2	T	2	2	2	2	1.0	1.0	4	4	6	6	6	6	6	6	6	6	6	6	
STANLEY	SNOWFALL SN ON GND					T	T	.3	T	T	T	T	T	T	T	T	T	T	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VELVA	SNOWFALL SN ON GND		.2	T	T	T	T	.5	T	T	T	T	T	1.0	1	1	1	1	1	.5	1	.6	T	2.0	4	4	4	4	4	4	4	4	4	4	
WATFORD CITY	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILLISTON WB CITY	SNOWFALL SN ON GND WTR EQUIV	T			.7	T	T	.4	T	T	T	T	T	.3	T	T	T	T	T	1.0	1	1.3	1.1	.6	4	4	4	4	3	.4	3	3	3	3	
WILLOW CITY	SNOWFALL SN ON GND	T	T	.3	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	1.0	1	1	2.0	3	2	2	T	T	T	1	1	1	1	

MONTHLY EXTREMES

Highest Temperature: 58° on the 2+ at Three Stations

Lowest Temperature: -36° on the 20+ at Two Stations

Greatest Total Precipitation: 1.21 inches at Bisbee

Least Total Precipitation: T at Three Stations

Greatest one-day Precipitation: 0.68 inch on the 4th at Walhalla

Greatest Total Snowfall: 19.0 inches at Verona

Deepest Snow on Ground: 14 inches on the 31+ at Two Stations

See reference notes following Station Index.

CLIMATOLOGICAL DATA

NORTH DAKOTA
DELAYED DATA

Station	Temperature													Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days		
										Max		Min.						Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
										90° or Above	32° or Below	32° or Below	0° or Below										
JULY 1961																							
WEST CENTRAL DIVISION KEENE 2 S	87.2	54.4	70.8		97	24+	41	1	26	13	0	0	0	2.24		1.09	31	.0	0		6	1	1
SOUTHWEST DIVISION TROTTERS 3 S	85.5	56.6	71.1		98	24	46	13	10	10	0	0	0	1.92	-.14	.51	31	.0	0		6	2	0
AUGUST 1961																							
WEST CENTRAL DIVISION WASHBURN	92.5	58.9	75.7	6.5	105	6	50	12+	0	22	0	0	0	.20	-1.58	.13	10	.0	0		1	0	0
OCTOBER 1961																							
SOUTHWEST DIVISION HETTINGER	59.6	34.1	46.9	-0.2	81	16	19	30	554	0	0	12	0	.60	-.23	.37	12	.0	0		2	0	0

DAILY PRECIPITATION

Station	Total	Day of Month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JULY 1961																																	
KEENE 2 S	2.24									.20		.05	.13	.11						.01	.03							.15	.38		.09	1.05	
TROTTERS 3 S	1.92					.07				.24		.05	.20							T							.08	T	.10	.17	.50	.51	
AUGUST 1961																																	
WASHBURN	.20											.13																					
OCTOBER 1961																																	
HETTINGER	.60							.23	T			T	.37						T										.07				

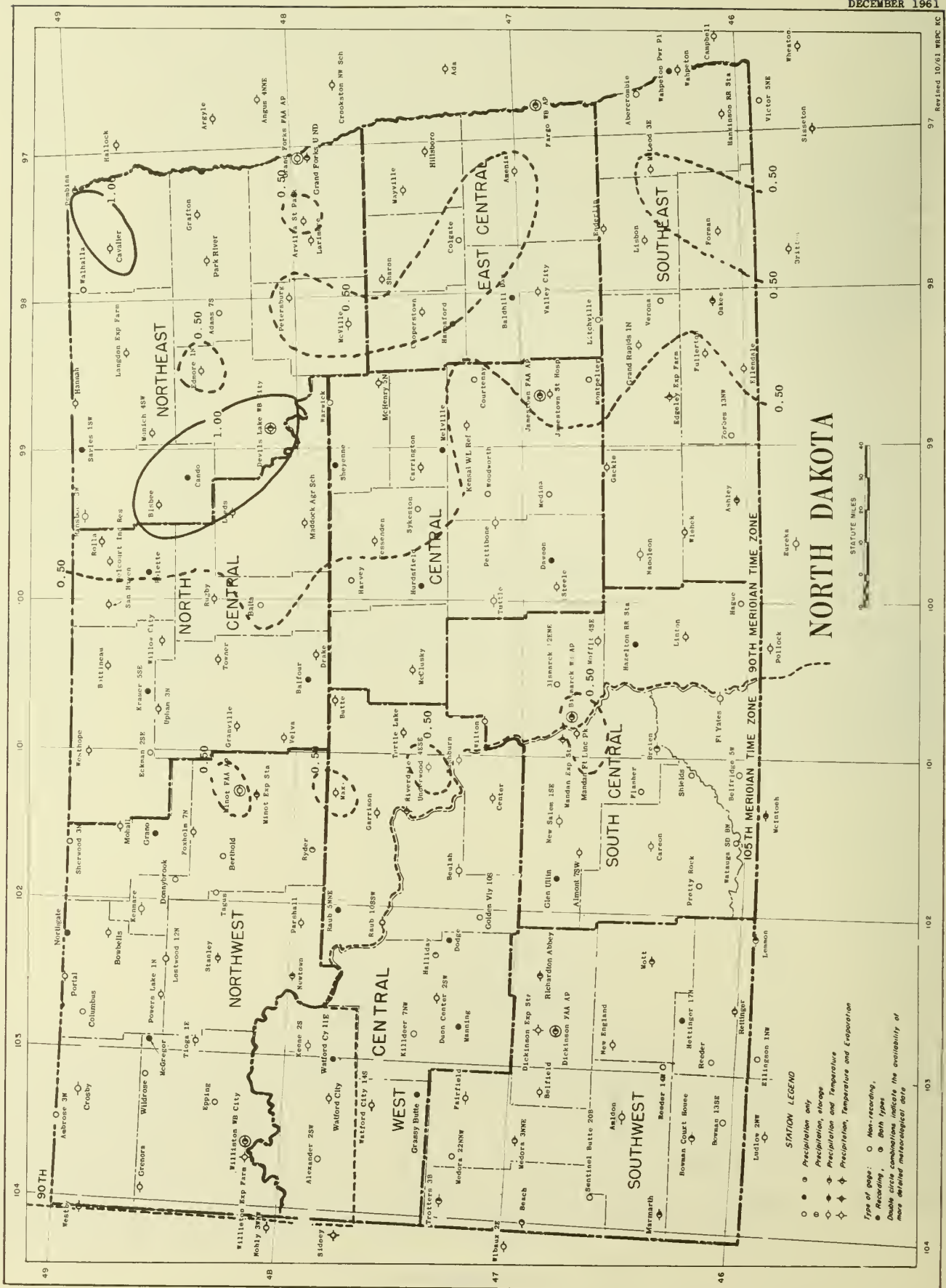
DAILY TEMPERATURES

Station		Day Of Month																															Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JULY 1961																																	
KEENE 2 S	MAX	78	84	94	87	88	90	94	96	95	93	84		71	82	96	94	97	84	83	78	75	83	94	97	96	96	78	84	79	87	78	87.2
	MIN	41		61	54	64	67	60	64	57	54	51	49	47	49	53	67	64	56	48	44	45	53	51	58	54	58	58	56	48	55	45	54.4
TROTTERS 3 S	MAX	81	81	93	89	83	88	92	91	91	90	78	67	75	80	91	97	96	79	84	82	74	87	89	98	95	88	86	87	78	82	78	85.5
	MIN	56	50	59	57	60	59	63	59	60	54	55	53	46	47	54	59	69	56	62	54	55	48	59	59	59	54	59	61	56	57	55	56.6
AUGUST 1961																																	
WASHBURN	MAX	89	97	100	92	98	105	90	95	91	79	83	92	98	103	96	92	90	89	79	88	89	89	93	95	93	88	90	94	103	92	95	92.5
	MIN	56	63	60	60	65	65	64	52	64	51	50	50	53	54	60	65	70	51	54	58	60	55	56	63	53	56	63	68	56	73	58	58.9
OCTOBER 1961																																	
HETTINGER	MAX	55	65	71	73	80	80	51	39	54	67	64	59	65	73	80	81	59	47	60	66	53	48	50	50	49	53	56	45	36	60	60	59.6
	MIN	33	36	37	44	46	43	37	31	29	39	39	37	36	36	44	46	34	29	29	34	31	31	30	34	23	27	37	34	22	19	31	34.1

See reference notes following Station Index.

TOTAL PRECIPITATION

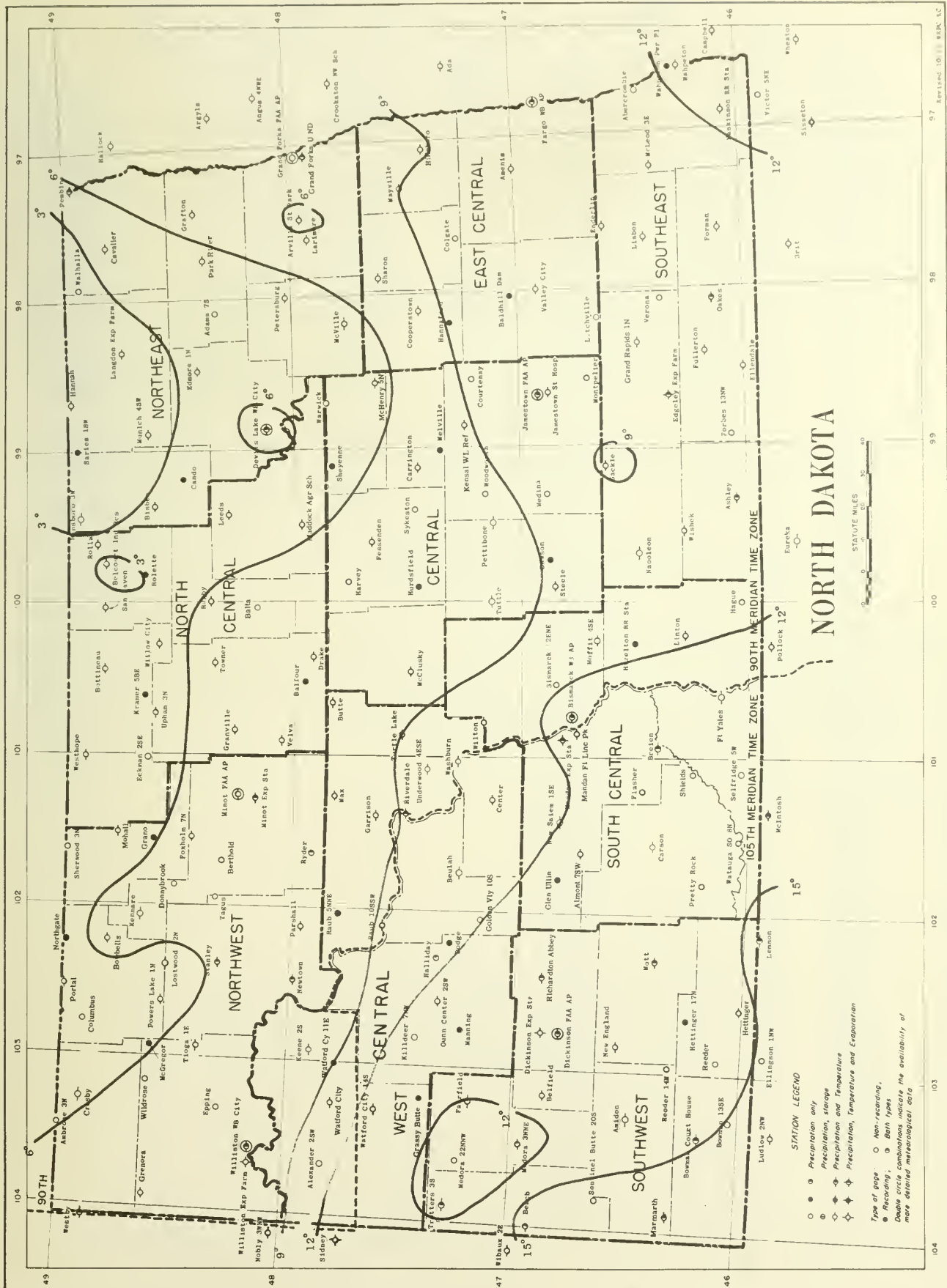
DECEMBER 1961



ISOLINES ARE DRAWN THROUGH POINTS OF APPROXIMATELY EQUAL VALUES. HOURLY PRECIPITATION DATA FROM RECORDER SUBSTATIONS WILL BE AVAILABLE IN THE PUBLICATION "HOURLY PRECIPITATION DATA."

AVERAGE TEMPERATURE

DECEMBER 1961



NORTH DAKOTA
DECEMBER 1931

* DRAINAGE CODE: 1. CANNONBALL 2. DEVILS LAKE 3. GRAND 4. HEART 5. JAMES 6. KNIFE 7. LITTLE MISSOURI 8. MISSOURI 9. PEMBINA 10. RED 11. SHEYENNE 12. SOURIS 13. YELLOWSTONE

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck, North Dakota, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the preceding 12 months will be carried in the June issue of this bulletin.

Stations appearing in the index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for August 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 63°F.

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently, occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the seasonal snowfall table include snow and sleet. Entries of snow on ground include snow, sleet and ice.

Data in the "Monthly Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA Stations. For those stations snow on ground values are at 0600 C.S.T.

In the Station Index the letters C, R, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- R "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

- No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.
- Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issues of Local Climatological Data, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

USCOMM-WB-ASHEVILLE---2-6-62---825

CORRECTIONS

- FEBRUARY 1961: RAUB 10 SSW, Climatological Data Table, No. of Days Min. Temperature 32° or below should be 27.
- FEBRUARY 1961: TROTTERS 3 S, Climatological Data Table, Precipitation Departure should be .27.
- MARCH 1961: MANDAN EXP STATION, Climatological Data Table, Precipitation Departure should be -.83.
- MARCH 1961: TROTTERS 3 S, Climatological Data Table, Precipitation Departure should be -.36.
- APRIL 1961: TROTTERS 3 S, Climatological Data Table, Precipitation Departure should be .26.



51.05
NNT

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

NORTH DAKOTA

ANNUAL SUMMARY 1961

Volume 70 No. 13



THE UNIVERSITY OF
MAR 5 1962
UNIVERSITY OF

ASHEVILLE: 1962

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

NORTE DAKOTA
1961

Table 1

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
ALMONT 7 SW	20.1		23.4		35.3		39.2		53.6		71.3		71.9M		76.4		53.9		48.5		31.7		14.1		45.0	
AMENIA	8.9		18.2M		33.8M		38.8		53.8M		68.6		69.9M		72.9M		56.9		49.0M		30.8		9.2		42.6	
AMION	21.2M		26.2M		34.4M		38.5M		51.1M		68.9			M	73.4M		52.2M		47.0M		30.2M		12.2M		43.5	
ARVILLA STATE PARK	5.3M		14.7		30.6M		37.3M		53.2		67.8		68.1M		73.4M		52.2		47.0M		30.2M		12.2M		43.5	
ASHLEY	12.7	3.7	17.3	4.8	34.0	9.3	38.0	- 4.0	50.5	- 3.9	66.9	3.6	68.0	- 2.6	72.3	3.9	53.6	- 4.6	47.7	1.8	29.8	1.7	9.8	- 5.8	41.7	0.6
BEACH	19.3		25.7		34.5		36.6		52.7		68.1		70.7		73.0		50.0		44.2		28.9		12.4		43.0	
BELCOURT INDIAN RES	6.4		13.1		25.2		34.5		49.6		65.3		66.3		69.1		50.0		42.6		24.6		2.9		37.5	
BELFIELD	21.0M		25.4M		35.1M		37.3M		52.8		68.7		70.1		72.0		50.5		46.0		30.8		12.3M		43.5	
BEULAH	19.1		21.3		35.8		39.7		55.3M		71.4		71.9		74.9		53.9		47.1		30.7		10.9		44.3	
BISBEE	6.8M		13.0M		26.7M		35.9		51.5		68.0		68.4		72.2		52.6		44.5		27.1		3.8		39.2	
BISMARCK WB AIRPORT	18.4	9.2	19.0	6.3	36.1	9.4	40.3	- 2.8	54.3	- 0.5	69.1	4.8	69.5	- 2.6	73.7	4.4	52.4	- 6.1	47.9	- 2.2	30.8	2.4	10.0	- 5.5	43.5	1.8
BOTTINEAU	5.9	2.6	12.3	4.7	26.0	5.9	35.2	- 4.2	51.9	- 1.5	68.4	6.9	68.9	0.0	71.8	5.3	51.6	- 4.2	42.6	- 1.0	24.6	0.8	1.2	- 9.0	38.4	0.6
BOWBELLS	13.9		16.7		29.1		35.3		51.6		68.5M		68.0M		71.9		50.0M		43.4		26.6		3.8		39.9	
BOWMAN COURT HOUSE		M		M	34.9M	8.4	38.2M	- 4.5	52.5	- 1.7	68.5M	6.3	70.8M	- 0.3	74.4M	5.6	51.0M	- 9.4	46.4M	- 0.1	29.4M	- 0.6	14.7M	- 6.5	-	
BREITEN	19.1M		20.5M		36.5M		39.7M		53.8M		69.9		71.0M		74.5M		55.1M		48.7		30.8		12.1M		44.3	
BUTTE	13.6		17.2M		30.8M		36.4		51.8M		69.3M		69.8M		74.6		51.6M		45.2M		28.5		6.1M		41.2	
CARRINGTON	9.5	3.3	15.4	5.3	30.9	8.7	35.5	- 4.6	50.2	- 3.0	67.8	5.3	67.7	- 2.0	70.8	3.6	53.4	- 3.0	44.8	- 0.2	28.0	2.2	6.3	- 6.5	40.0	0.7
CARSON	18.3	6.5	22.6	7.5	34.8	9.4	37.4	- 5.4	52.0M	- 2.8	70.1	6.6	70.8	- 0.9	74.2	4.8	53.6	- 5.4	46.0	- 0.8	29.8	0.5	11.7M	- 6.9	43.4	1.0
CAVALIER	6.2		16.0M		30.0		36.7		54.3		69.4M		69.1		72.9		54.6		46.7M		29.1		10.2		43.1	
CENTER	17.7		19.7		34.2		38.6		52.7		69.5		69.6		74.3		52.1		47.2		31.5		10.2		43.1	
COOPERSTOWN	8.5		16.7		32.3		36.6M		52.4		68.4		68.1		71.9		55.3		47.0		29.6		7.8M		41.2	
CROSBY	15.5	9.5	20.3	10.0	31.6M	10.1	37.7	- 2.0	52.6M	- 0.3	69.6M	8.9	68.7	0.2	71.9	6.2	51.4	- 3.6	44.5	0.5	27.2M	1.4	5.8	- 8.0	41.4	2.7
DEVILS LAKE WB CITY	7.1	2.3	15.5	6.8	29.8	7.2	35.7	- 4.3	51.7	- 1.3	68.6	6.2	68.5	- 0.8	72.6	5.8	52.7	- 3.6	45.3	1.4	27.2	2.1	4.7	- 6.5	39.9	1.2
DICKINSON FAA AIRPORT	20.7		25.1		35.1		37.8		52.6		69.7		71.0		73.7		50.8		46.1		30.3		12.3		43.8	
DICKINSON EXP STATION	18.1	7.4	23.5M	9.6	34.0	10.1	37.0	- 4.3	52.5	- 0.6	68.3	6.9	70.1	0.3	72.5	5.4	51.2	- 5.2	43.9	- 0.9	29.4	1.5	10.1	- 7.4	42.5	1.8
DRAKE	12.5	6.5	16.7	6.8	31.3	9.6	36.1M	- 4.5	51.8	- 2.2	68.7	6.1	69.3M	- 0.7	73.0	5.5	52.0M	- 4.9	45.0M	0.2	27.5M	1.5	5.6M	- 7.7	40.8	1.4
DUNN CENTER 2 SW	18.5	8.1	21.1	6.9	34.2	10.1	37.0	- 3.8	51.4	- 1.7	68.5	7.1	69.3	- 0.2	72.7	6.2	51.4	- 4.0	44.9	0.0	29.6	1.8	9.8	- 7.9	42.4	1.9
EDGELEY EXP FARM	12.2	3.2	16.5	3.4	33.8	8.4	37.7	- 5.0	50.4M	- 4.5	67.2	3.3	67.7	- 3.3	72.4	3.4	55.0	- 3.8	47.7	1.0	29.9	1.9	9.0M	- 6.1	41.6	0.1
ELMORE 1 N	3.8M		12.9		27.9		35.1M		50.5		65.7		66.3		70.4		52.4		44.7		26.6		3.8		38.3	
ELLENDALE	14.4	4.6	19.9	6.0	36.8	10.2	39.8	- 3.7	53.1	- 2.7	69.2	4.2	69.3	- 2.6	74.1	4.2	56.9	- 2.9	49.0M	1.5	31.9	2.6	11.8	- 4.5	43.8	1.4
ENDERLIN	8.4M		16.4		32.6		37.2		50.5		67.2		69.1		71.7		55.2		45.5M		29.9M		10.4		41.2	
FAIRFIELD	18.5M		24.1		34.4		36.2		52.8M		68.5		69.5		73.4		51.4		46.0M		29.6		12.0		43.0	
FARGO WB AIRPORT	6.8	- 0.3	18.7	7.9	34.5	9.2	37.8	- 4.3	53.2	- 1.8	68.7	4.1	70.5	- 0.8	73.5	4.4	56.0	- 2.9	47.9	1.8	30.1	2.5	10.7	- 2.2	42.4	
FESSENDEN	11.8	5.5	18.8	8.0	32.7	9.8	38.7	- 2.5	52.8	- 1.4	69.0	6.2	69.6	- 1.1	74.0M	6.1	54.1M	- 3.4	47.8	2.5	28.9	2.7	7.7	- 5.5	42.1	2.2
FORMAN	10.5		20.2		34.9M		39.0M		53.5M		68.2M		69.1		74.0		56.7		48.8M		31.5		10.5		43.1	
FORT YATES	17.9	5.8	21.8M	5.3	M		42.3M	- 2.6	54.5M	- 2.2	71.6M	6.2	72.6M	- 0.5	M		55.6	- 4.8	49.1	1.0	31.2	0.3	11.7	- 7.4	-	
FOXHOLM 7 N	16.8M		19.6	8.2	32.0	9.4	38.0M	- 3.0	53.0M	- 1.2	69.7	7.6	70.3	0.7	73.5	6.2	52.6	- 4.3	45.9	0.4	30.0	3.4	7.8	- 6.6	42.4	
FULLERTON	9.8	- 0.3	16.2	2.1	34.1	7.4	38.4	- 5.3	52.2	- 3.9	67.7	2.4	68.5	- 3.7	73.1	3.1	55.8	- 3.8	48.1	0.7	31.7	2.3	12.0	- 4.5	42.3	- 0.3
GACKLE	11.9		18.7		34.0		37.5		52.3		69.1M		69.3		73.6		54.2		48.7M		29.8		8.9		42.3	
GARRISON	17.2M	8.9	15.2M	2.8	31.9	8.2	37.0	- 4.6	51.7M	- 2.5	69.2	6.4	70.2M	- 0.2	75.1	7.4	52.0	- 5.4	45.2	0.0	28.7	1.7	4.5M	- 10.5	41.5	1.0
GRAFTON	6.2M		14.9	5.2	31.7M	8.8	37.3	- 4.3	53.7M	- 1.7	68.9	4.6	69.9	- 2.0	72.6	3.9	55.4	- 2.7	46.6	0.4	28.7	2.3	6.3	- 5.0	41.0	
GRAND FORKS FAA AP	5.4		16.3		32.3		37.3		53.1		68.8		69.7		73.0		55.7		47.3		29.4		7.6		41.4	
GRAND FORKS UNIVERSITY	6.9	2.5	16.2	7.3	32.8	10.3	37.4	- 3.9	53.5	- 0.4	69.0	5.0	69.6	- 1.1	72.5	4.4	55.3	- 2.1	46.7	1.4	28.9	2.9	7.3	- 4.2	41.4	1.8
GRAND RAPIDS 1 N	11.8		19.0		35.4		39.3		53.6		67.9		68.2M		72.2		56.7M		48.7M		30.9		10.2		42.9	
GRANVILLE	15.0	8.3	19.0	8.1	31.7	8.5	37.8M	- 3.8	53.1	- 2.2	69.6	7.2	70.1	0.1	74.9	7.4	53.2	- 4.2	46.4	0.9	29.1	2.6	6.7	- 7.3	42.2	2.1
GRENORA	17.3		22.1		33.0		37.5		54.2		68.9		69.5		71.9		51.0		44.9		27.7		6.3		41.9	
HANKINSON R R STATION	11.5M	2.3	10.2M	6.8	33.3	7.5	36.9M	- 6.1	50.9	- 5.6	68.0	2.1	69.2	- 3.3	72.2	2.5	57.4	- 1.9	45.9M	- 1.0	30.2	1.5	10.3	- 5.3	42.2	0.0
HANNAH																										

Table 1-Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

NORTH DAKOTA
1961

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
UNDERWOOD	16.2		19.3		32.8		37.1		52.1		69.3		70.3		74.1		52.6		46.7		29.6		7.6		47.5	
UPHAM 3 N	10.8		14.2		29.1M		38.0		52.8		68.6		69.9M		72.4		52.7		41.1M		28.3		4.0		40.4	
VALLEY CITY			18.2M	5.1	33.9	7.9	38.9	- 4.5	53.9M	- 2.2	66.5M	1.4	67.2M	- 4.5	73.3	5.8	54.6	- 4.5	46.4	- 0.8	26.8M	- 1.8	9.3	- 6.1		
VELVA	16.7	8.5	20.2M	7.6	34.0M	9.7	39.0	- 3.6	52.9	- 2.4	69.5	6.3	69.6	- 0.4	73.3	5.8	52.9	- 4.7	46.9	0.9	30.1	7.8	7.8	- 7.5	42.7	1.9
WAMPETON	11.4M	1.8	22.9M	9.1	36.5M	9.6	39.6	- 5.0	54.5M	- 3.0	69.6	2.8	70.4M	- 2.7	73.9	2.7	58.7M	- 2.6	49.9	0.9	31.8	1.7	12.5	- 3.5	44.3	1.4
WASHBURN	16.7M	6.5	19.8	5.4	34.4	8.8	38.8M	- 4.8	53.0	- 2.9	70.4M	6.1	71.3M	0.7	75.7	6.5	53.8	- 5.4	47.8M	0.7	30.3M	1.4				
WATFORD CITY							38.6M	- 4.4	55.2	0.1	69.5	6.6	70.0	- 1.4	74.1	5.2	51.9	- 6.1	45.7	- 0.8	30.9	1.9	9.4	- 8.3		
WATFORD CITY 14 S	21.1M		25.3		37.7		39.8		55.8		71.1M		71.3M		74.4M		52.9M		47.9M		32.8		3.3		45.3	
WESTHOPE	9.4	5.7	14.2	6.5	28.3	7.9	37.2	- 3.0	52.8	- 1.5	68.8	6.7	70.2M	1.0	72.9	6.0	51.3	- 5.0	44.7	0.9	26.4	2.1	3.1M	- 7.8	40.0	1.7
WILLISTON WB CITY	19.2	9.2	22.4	8.9	35.3	8.8	38.7	- 4.2	55.4	0.8	71.1	8.1	71.3	0.4	74.9	6.8	51.9	- 5.3	46.7	1.7	29.9	1.6	9.0	6.7	43.8	2.5
WILLISTON EXP FARM	17.7		21.7M		34.7		38.2		54.3		69.6		70.8		74.3		51.5		46.1M		29.0		7.9		43.0	
WILLOW CITY	8.5M	6.0	12.9	6.1	27.1	7.3	37.4	- 2.3	50.6	- 2.5	67.5	6.0	69.0	0.4	71.9	5.9	52.0	- 3.7	43.8	0.7	28.4	2.5	3.6	- 6.4	39.2	1.6
WILTON	15.0		18.9M		32.8		37.2		52.6		69.1		69.3		74.6M		53.0		46.8M		29.7		9.5		42.4	
WISHEK	11.3	3.6	15.8	4.2	32.6M	9.1	36.7	- 4.7	50.5M	- 3.3	66.7M	3.7	67.4M	- 2.7	71.3M	3.7	53.6	- 5.9	45.8	1.1	27.5	0.3	7.0	- 8.2	40.5	1.1
DIVISION AVERAGES																										
NORTHWEST DIVISION	15.6	9.3	18.7	8.2	31.4	10.0	36.6	- 3.9	52.5	- 0.7	68.9	7.7	69.2	- 0.2	72.7	6.2	51.2	- 4.8	44.5	- 0.1	27.5	1.5	5.6	- 8.3	41.2	2.1
NORTH CENTRAL DIVISION	10.2	5.7	15.4	6.2	29.3	8.9	37.0	- 3.5	52.3	- 1.4	68.4	6.5	69.0	- 0.1	72.6	5.9	52.1	- 4.0	45.0	0.7	27.4	2.3	4.9	- 6.9	40.3	1.6
NORTHEAST DIVISION	5.8	2.5	14.7	6.8	29.6	8.8	36.2	- 3.7	52.5	- 0.9	67.6	5.4	68.0	- 1.0	71.6	4.7	53.7	- 2.6	45.4	1.0	27.6	2.7	4.6	- 6.0	39.8	1.5
WEST CENTRAL DIVISION	16.9	8.1	19.4	6.7	33.4	9.8	37.8	- 4.0	53.1	- 1.0	69.6	7.3	70.2	0.1	74.2	6.5	52.4	- 4.7	46.1	0.5	29.8	2.6	8.9	- 6.8	42.7	2.1
CENTRAL DIVISION	11.2	4.4	17.1	6.1	32.7	9.7	37.3	- 4.0	52.0	- 1.8	68.7	6.1	68.8	- 1.2	72.6	4.7	53.9	- 3.5	46.9	1.3	29.2	2.5	7.8	- 5.0	41.5	1.5
EAST CENTRAL DIVISION	8.2	2.3	17.7	6.7	33.4	9.3	37.6	- 4.3	53.1	- 2.1	68.1	3.9	68.9	- 2.3	72.7	3.8	55.3	- 3.2	47.4	1.2	29.4	2.2	8.8	- 4.2	41.7	1.1
SOUTHWEST DIVISION	19.8	6.1	25.0	7.8	35.1	9.1	37.9	- 4.9	52.6	- 1.7	68.6	6.1	70.5	- 0.5	73.4	4.7	51.4	- 6.7	45.5	- 1.0	30.1	0.4	12.8	- 7.0	43.6	1.1
SOUTH CENTRAL DIVISION	18.0	7.1	20.5	5.3	35.3	9.7	39.3	- 4.2	53.3	- 2.2	70.0	6.0	70.9	- 1.0	74.8	5.1	54.4	- 5.0	48.1	0.8	30.9	1.5	11.3	- 6.4	43.9	1.4
SOUTHEAST DIVISION	11.2	2.4	18.4	5.3	34.5	9.0	38.3	- 4.6	52.1	- 3.5	68.0	3.4	68.9	- 2.7	72.8	3.4	55.9	- 3.2	47.9	0.9	30.5	1.8	10.1	- 5.5	42.4	0.8

For descriptions of unusual weather in 1961, please refer to the monthly issues of Climatological Data, North Dakota Section.

Table 2

TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

NORTH DAKOTA
1961

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
ADAMS 7 S	.10		.13		.24		2.10		2.13		2.17		2.93		.48		4.32		1.38		.04		.78		16.80	
ALEXANDER 2 SW	.35		.49		.04		.59		.65		2.16		2.37		.08		4.13		.93		.28		.80		12.87	
ALMONT 7 SW	.04		1.20		.02		1.87		.67		.60		1.62		.44		2.51		.07		.05		.07		9.16	
AMBROSE 3 N	.03		.55		.18		1.86		1.59		1.15		2.08		.42		2.86		.61		.05		.11		11.42	
	.03		.80		.35		.88		1.48		1.08		1.49		.01		1.98		.22		.05		.20		8.57	
AMENIA	.03		.18		.40		2.04		1.96		1.33		2.73		1.47		5.11		2.98		.08		.36		18.67	
AMION	.06		.69		.36		1.88		3.56		1.96		2.34		.92		3.69		.16		.10		.05		15.77	
ARVILLA STATE PARK	.64		.47		.76		1.03		.82		1.43		2.65		1.30		4.28		1.84		.12		.49		15.83	
ASHLEY	T	- .51	.58	.14	.59	.22	1.40	.14	1.80	.18	3.38	.45	2.00	.65	1.60	.59	4.47	3.24	.14	.80	.06	.36	.04	.32	16.30	.20
BALTA	.13		.97		.12		1.41		1.42		.52		1.95		.35		4.87		T		.08		.53		12.35	
BEACH	.24		.65		.28		1.25		1.05		1.35		1.80		1.02		2.92		.03		.14		.14		10.87	
BELCOURT INDIAN RES	.30		1.06		.21		.90		1.24		1.09		1.79		.24		3.57		.14		.06		.51		10.97	
BELFIELD	.13		1.08		.33		2.35		1.53		1.88		1.81		1.30		2.68		.09		.17		.15		15.50	
BERTHOLO	.04		1.06		.06		2.19		1.81		.53		.60		.19		2.75		T		.01		.38		9.62	
BEULAH	.03		.55		.04		1.94		.64		1.06		1.36		.21		2.08		.02		T		.10		8.03	
BISBEE	.12		2.90		.25		.86		.99		1.49		2.09		.17		5.18		.10		.07		1.21		15.43	
BISMARCK WB AIRPORT//R	.05	.31	.56	.13	.11	.65	1.70	.31	.80	.14	1.78	.155	1.50	.83	.43	.107	2.81	1.38	.50	.50	.01	.52	.88	.48	11.13	4.27
BISMARCK 12 ENE	T		.25		.11		1.48		.86		2.16		1.64		.22		4.52		.54		T		.24		12.02	
BOTTINEAU	.25	.21	.59	.24	.04	.70	1.07	.11	1.18	.79	.65	.295	1.15	.140	.21	.206	3.77	2.39	T	.78	.07	.32	.13	.27	9.61	6.74
BOWBELLS	.21		1.17		.03		1.99		.97		.69		1.44		.21		2.98		.04		T		.37		10.10	
BOWMAN COURT HOUSE	T		.42		.61		1.44		2.11		1.20		1.07		.99		2.95		.29		.04		T		11.12	
BOWMAN 13 SE	.06		.37		.28		1.32		2.74		.57		.36		1.12		3.00		.44		.09		.07		10.42	
BREIEN	.03		.26		.04		1.38		1.05		1.81		1.32		1.00		3.63		.55		T		.13		11.20	
BUTTE	T		.68		.02		1.74		.71		1.34		1.74		1.15		4.42		3.59		.00		.34		9.82	
CARRINGTON	.05	.47	.34	.14	.18	.56	2.63	1.23	.93	.136	1.08	.256	3.40	.76	1.04	.86	3.64	2.18	.60	.55	.07	.51	.82	.41	14.78	2.43
CARSON	.04	.49	.46	.09	.19	.92	1.66	.25	1.98	.38	2.09	.178	1.00	.109	1.31	.20	3.80	2.46	.68	.34	T	.55	.10	.25	13.31	3.38
CAVALIER	.37		.65		.03		.92		2.02		.66		2.55		.32		3.90		2.03		.07		1.13		14.65	
CENTER	.06		.73		.19		1.92		1.88		.70		1.69		.16		3.24		.60		.03		.62		10.44	
COLGATE	T		.10		.43		1.18		1.89		.96		1.74		1.53		4.42		2.40		.03		.16		14.84	
COLUMBUS	.06		.93		.04		1.29		.50		1.22		1.00		.03		2.61		.06		.03		.16		7.93	
COOPERSTOWN	.08	.39	.26	.37	.35	.43	1.91	.74	.93	.143	1.92	.146	4.49	1.98	2.98	.41	3.64	1.89	1.14	.00	.10	.55	.43	.14	18.23	.75
COURTENAY	.04	.58	.11	.37	.46	.42	2.01	.76	1.20	.95	2.26	.101	4.10	1.59	.75	.153	2.69	1.12	.79	.32	T	.80	.48	.11	14.91	2.42
CROSBY	.04	.32	1.20	.86	.13	.49	1.09	.308	.54	.110	1.47	.182	1.65	.448	.08	.177	2.48	1.39	.07	.76	.09	.31	.24	.17	9.08	4.67
DEVILS LAKE WB CITY	.35	.05	.62	.21	.14	.59	1.27	.17	.83	.130	.94	.224	2.84	.17	.42	.175	5.00	2.93	.26	.100	.25	.42	1.10	.62	14.02	3.59
DICKINSON FAA AP	.03		.74		.18		1.85		1.19		1.50		3.45		1.74		4.19		.04		.19		.19		14.40	
DICKINSON EXP STATION	.05	.43	.59	.14	.50	.26	1.89	.53	1.44	.57	2.82	.116	1.66	.34	1.68	.08	3.05	1.92	.11	.77	T	.55	.11	.21	13.90	1.78
DOONBROOK	.01		.63		.02		2.12		1.08		.36		.48		.15		1.62		.01		T		.12		6.60	
GRACE	.17	.28	.56	.18	.10	.60	1.65	.44	1.25	.29	.73	.300	1.80	.83	.37	.172	4.46	3.05	T	.86	T	.63E	.38	.01	11.47	4.83
GRAND CENTER 2 SW	.03	.40	.25	.56	.25	.40	2.55	1.29	.91	.186	2.50	.135	2.68	.34	.14	.183	2.54	1.30	.19	.81	.01	.66	.16	.11	12.71	2.95
ECKMAN 2 SE	.02		1.05		.02		1.30		1.34		.38		.93		.03		3.72		.00		.01		.22		9.02	
EGGLEY EXP FARM	T	.44	.16	.29	.29	.47	1.74	.21	2.46	.08	1.47	.229	1.53	.104	2.37	.43	3.65	2.22	.75	.20	.06	.40	.31	.03	14.79	2.22
EDMORE 1 N	.28		.06		.75		.75		.67		1.35		2.45		.24		5.95		.40		.11		.31		12.79	
ELLISDALE	.02	.52	.56	.06	.22	.76	1.43	.51	2.37	.15	4.48	.63	1.95	.90	.62		3.80	1.80	.32		.09	.54	.57	.06	20.13	1.05
ENNERLIN	T		.06		.55		2.24		2.15		1.13		1.66		2.48		4.84		3.74		T		.38		12.23	
EPPING	.05		1.14		.21		2.01		.65		1.15		1.65		.25		2.66		.09		.10		.42		10.42	
FAIRFIELD	.03		.79		.42		2.12		.97		2.05		.73		.73		2.26		T		.07		.23		13.21	
FARGO WB AIRPORT	.09	.51	.18	.48	.38	.51	2.27	.39	2.71	.54	1.36	.168	1.00	.69	1.02	.171	2.26	2.72	1.70	.44	.07	.81	.57	.03	17.78	.95
FESSENDEN	.07	.50	.44	.07	.07	.71	2.12	.78	1.36	.78	1.04	.232	2.94	.12	.98	.99	4.05	2.58	.19	.85	.18	.50	.72	.19	14.16	3.05
FLASHER	.04		.22		.10		1.68		1.39		.94		2.46		1.44		3.44		.56		T		.13		12.40	
FORBES 13 NW	T		.45		.33		1.58		2.39		2.41		1.90		3.03		3.53		.96		.07		.15		16.80	
FORMAN	.03	.46	.11	.46	.20	.72	1.49	.42	2.68	.13	2.43	.149	3.93	.80	.36	.183	3.91	2.49	1.94	.77	T	.64	.36	.16	17.44	1.99
FORT YATES	T	.39	.29	.16	.02	.78E	1.29	.08	.97	.113	1.99	.159	3.96	.105	1.36	.38	4.06	2.88	.19	.93	.12	.24	.32	.07	11.57	3.78
FUXHOLM 7 N	.03	.47	.80	.44	T	.77	1.57	.38	2.22	.38	.74	.278	.94	.104	.06	.204	2.13	.89	.00	.78	T	.57	.15	.26	8.64	6.62
FULLERTON	.01	.87	.34	.61	.32	.94																				

TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

NORTH DAKOTA
1961

Table 2-Continued

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	
NEW ENGLAND	.05	-.58	.68	-.09	.58	-.53	1.76	-.25	2.57	-.69	1.47	-2.53	2.50	-.11	.42	-1.16	3.23	2.08	.12	-.73	.04	-.48	.08	-.30	13.50	-3.7	
NORTH SALEM 1 SE	.07	-.38	.66	.18	.14	-.67	1.55	-.26	1.20	-.82	2.79	-.75	2.23	-.02	.73	-1.07	3.23	1.93	.63	-.13	.01	-.46	.17	-.13	13.41	-2.1	
NEWTOWN	T	-.50	1.08	.64	.18	-.39	1.77	.56	.99	-.67	.69	-3.12	1.74	-.73	.16	-1.52	2.0	.80	.04	-.70	.07	-.51	.18	-.21	8.74	-6.15	
DAKES	.07	-.42	.44	-.10	.27	-.68	1.86	.13	2.32	-.00	2.03	-1.65	3.25	-.76	1.67	-.37	4.72	3.87	2.51	1.42	.18	-.55	.80	.30	20.07	2.33	
PARK RIVER	.44	-.08	.45	-.09	T	-.74	.72	-.60	.62	-1.17	.76	-2.30	3.53	.64	.13	-2.06	3.61	1.48	1.78	.67	.21	-.42	.60	.20	12.85	-4.13	
PARSHALL	.01	-.39	1.12	.81	.20	-.27	1.58	-.43	1.08	-.94	.67	-2.87	1.78	-.63	.22	-1.45	2.51	1.07	.03	-.69	.08	-.43	.20	-.18	9.46	-5.44	
PEMBINA	.48	-.10	.68	.24	.05	-.67	.90	.31	.49	-1.40	.56	-2.51	3.28	-.36	.48	-2.40	3.43	.98	1.56	.38	.76	-.66	1.09	.69	13.06	-5.40	
PETERSBURG	.24	-.18	.61	-.02	.15	-.54	.91	-.22	.83	-1.20	2.29	-.86	6.21	3.53	2.05	-.45	3.52	1.74	1.02	-.15	.23	.34	.45	.02	16.31	1.33	
PETTIBONE	.03	-.44	.25	-.25	.26	.53	2.25	.86	.95	-1.16	.59	-2.42	2.92	.20	1.20	-.95	7.88	2.14	.54	-.61	T	-.50	.47	.09	13.24	-3.57	
PORTAL	.07	-.36	1.10	.66	.05	-.62	1.45	.62	.81	-1.07	.83	-2.95	1.53	-.57	.41	-1.86	3.15	1.91	.09	-.66	.09	-.38	.41	-.03	9.99	-5.31	
POWERS LAKE 1 N	.01	.61	.05		.05		1.19	.71	.94		1.25		1.25		T		3.19		.04		T		.14		8.13		
PRETTY ROCK	.08		.04		.12		1.23		2.05		1.83		1.36		.95		3.09		.80		.06		.27		11.88		
RAUB 10 SSW	T	.79					1.77		1.12		.53		1.77		.10								.03				
REEDER	.02	.56	.45				1.47		2.13		1.61		1.47		.84		3.29		.55		.14		.10		12.63		
REEDER 14 N	.01	.27	.14				1.17		2.08		1.26		1.82		.44		3.10		.37		T		.02		10.68		
RICHARDTON ABBEY	.08	-.48	.83	.28	.41	-.64	1.83	.37	1.44	-.58	1.97	-2.02	2.22	-.37	.70	-1.09	3.27	2.13	.05	-.78	.02	-.80	.22	-.14	13.04	-4.12	
RIVERDALE	.01	.78	.26		.26		2.06		.67		.79		2.21		.14		4.24		T		T		.35		11.51		
ROLLA	.30	1.26	.34		.90		1.53		1.47		3.06		3.06		.20		3.52		T		.08		.74		13.40		
RUGBY	.19	-.39	1.58	1.19	.13	-.65	1.24	.21	1.04	-.72	.71	-2.66	2.13	-.52	.52	-1.69	4.57	3.26	T	-.81	.21	-.32	.45	-.08	12.77	-3.18	
RYDER	T		.86		.24		1.86		1.47		.36		.97		.15		3.29		T		.05		.20		9.43		
SAN HAVEN	.20	-.29	.91	.51	.13	-.45	1.15	.28	1.18	-.74	.77	-2.74	1.48	-1.37	.20	-2.18	3.58	2.19	T	-.72	.02	-.41	.18	-.22	9.80	-6.14	
SELFRIEGE 5 W	T	.34	.23		.23		1.13		1.34		1.09		.97		1.38		3.66		.46		.01		.14		10.75		
SENTINEL BUTTE 20 S	.05	.52	.35		.37		1.65		1.17		2.80		2.18		.64		3.24		.22		.14		.13		13.09		
SHARON	.10	-.42	.20	-.27	.37	.51	2.16	.72	1.28	-1.36	1.43	-1.93	7.21	4.55	.38	-2.36	4.64	2.81	1.60	.35	.12	-.62	.64	.12	20.13	1.08	
SHERWOOD 3 N	.23		1.38		.44		1.26		1.23		.62		.84		.08		2.33		.08		.16		.30		8.95		
SHIELOS	T	.18	.08		.08		1.09		1.29		2.22		1.47		2.35		4.34		.45		.00		.07		13.54		
STANLEY	.01	.79	.06		.12		2.48		1.50		.70		1.35		.15		2.82		.02		T		.32		10.60		
STEELE	.04	-.40	.30	-.07	.02	-.58	2.02	.70	.94	-1.32	1.36	-2.52	2.09	-.42	.71	-1.33	3.95	2.24	.56	-.64	T	-.45	.38	.06	12.37	-4.73	
SYKESTON	T	.37	.05		.05		2.51		.96		1.08		4.00		1.21		3.93		.43		T		.57		15.11		
TAGUS	T	.66	.09		.09		1.98		1.70		.73		.73		.07		2.05		.04		.02		.11		7.93		
TIOGA 1 E	.02	.86	.05		.05		1.85		.84		.60		1.27		.26		2.60		.05		.06		.31		8.77		
TOWNER	.14	-.43	.98	.53	.18	-.78	1.61	.26	1.16	-.82	.41	-3.28	2.60	.34	.52	-1.72	4.12	2.70	T	-.79	.14	-.49	.24	-.29	12.10	-4.77	
TROTTERS 3 S	.08	-.46	.71	.27	.39	-.36	1.31	.26	1.15	-.69	2.23	-.78	1.92	-.14	.36	-1.32	2.46	1.30	.18	-.56	.01	-.53	.15	-.23	10.95	-3.24	
TURTLE LAKE	T	.92	.03		.03		1.96		1.34		.70		2.53		.17		3.44		.06		T		.67		11.62		
TUTTLE	.03	.43	.02		.02		2.28		1.35		.75		1.93		1.02		4.27		.43		.01		.34		12.84		
UNDERWOOD	.02	.50	.13		.13		1.55		1.34		1.21		1.88		.27		2.70		.04		T		.55		10.19		
UPHAM 3 N	.18	1.28	.04		.04		1.25		2.09		.38		1.14		.23		3.43		.00		T		.24		10.26		
VALLEY CITY	.06	-.40	.29	-.20	.46	-.29	2.56	1.14	.72	-1.63	1.89	-1.41	2.65	-.16	.70	-1.63	4.04	2.54	1.43	.25	.09	-.65	.73	.22	15.62	-2.22	
VELVA	.01	-.56	1.40	.97	.14	.57	1.81	.52	1.33	-.83	.41	-3.24	3.16	.60	.41	-1.70	3.30	1.97	.00	-.80	.06	-.63	.38	-.08	12.41	-4.35	
VERONA	E .20		.17		.17		1.39		1.85		1.62		3.69		2.46		5.00		2.36		T		.67		E19.44		
WAMPETON	.03	-.57	.20	-.37	.26	-.60	2.37	.38	2.22	-.42	2.23	-1.34	2.04	-1.00	1.89	-1.14	3.06	1.45	.70	-.45	.16	-.55	.59	-.02	15.75	-4.63	
WALHALLA	.26	.46	.06		.06		.90		1.15		.89		2.52		.10		4.32		1.31		.06		.82		12.85		
WARWICK	.14	.02	.05		.05		1.53		1.76		1.84		2.34		.46		3.92		.51		.15		.83		12.55		
WASHBURN	T	-.40	.83	.43	.12	-.57	3.00	1.68	1.28	-.47	1.00	-2.69	2.33	-.02	.20	-1.58	4.82	3.50	.59	-.23	.01	-.48	.30	-.02	E14.48	-.85	
WATGUA 5 DAKOTA 8 N		.28	.10		.10		1.25		1.60		2.35		2.18		.94		4.43		.49		T		.12		13.74		
WATFORD CITY	.04	-.57E	.79	.24	.14	-.71	1.39	.06	.46	-1.39	1.44	-2.14	2.85	.49	.28	-1.27	2.77	1.52	.02	-.94	.10	-.46	.17	-.32	E10.45	-5.49	
WATFORD CITY 14 S	.05	.87	.17		.17		2.35		.47		2.82		1.86		.27		2.60		.06		.04		.13		E11.69		
WESTHOPE	.16	.99	.11		.11		1.04		2.00		.17		.79		.08		2.62		.04		.05		.19		8.24		
WILLOW CITY	T	.54	1.21	.73	.11	-.58	1.66	.76	.72	-.91	1.26	-2.00	.89	-.91	.04	-1.81	2.42	1.29	.05	-.71	.12	-.33	.45	-.03	8.93	-5.04	
WILLISTON WB CITY	.09	-.40	1.25	.79	.12	-.63	2.39	1.32	.58	-1.08	.43	-3.16	1.80	-.33	.14	-1.27	2.49	1.28	.07	-.70	.09	-.49	.50	-.04	9.95	-4.71	
WILLISTON EXP FARM	.04	1.00	.18		.18		1.23		.71		.80		1.43		.33		2.49		.07		.08		.44		8.88		
WILLOW CITY	.18	-.37	.89	.50	.18	-.52	1.06	-.01	1.14	-.67	.39	-3.31	1.87	-.61	.31	-1.73	3.41	2.15	.00	-.71	T	-.54	.22	-.29	9.65	-6.11	
WILTON	T	.25	.14		.14		2.39		1.05		.79		2.50		.04		3.37		.55		T		.27		11.35		
WISHEK	.03	-.42E	.73	.35	.93	.22E	1.38	.00	1.45	-.71	.82	-2.94	1.23	-1.43	1.25	-.53	3.46	2.16	.13	-.83	.03	-.38	.36	.08	E11.90	-4.43	
WOODWORTH	.04	.15	.14		.14		2.27		.73		.40		1.70		.84		.34		.56				.18		E10.35		
DIVISION A V I S																											

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

NORTH DAKOTA
1961

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates					
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below	
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.								
ALMONT 7 SW	105	8-6	-22	1-24	4-17	15	4-17	15	5-1	22	5-9	28	5-9	28	9-24	32	9-30	27	10-26	23	11-2	14	199	199	178	144	138			
AMENIA	100	8-14	-26	1-24	4-1	11	4-15	20	5-1	23	5-9	28	5-18	32	9-23	32	9-28	26	10-1	22	11-3	15	11-3	15	216	201	153	142	128	
AMMON	99	6-29	-19	12-14	4-1	11	4-16	20	5-1	23	5-9	28	5-18	32	9-14	32	9-23	31	9-30	19	9-30	19	11-2	12	198	149	135	125	-	
ARVILLA STATE PARK	101	8-3	-31	1-24	4-11	15	5-2	18	5-16	22	5-26	25	5-26	25	9-14	32	9-23	27	10-26	19	10-26	19	11-2	12	198	149	135	125	-	
ASHLEY	101	6-27	-32	1-24	5-1	15	5-1	15	5-9	22	5-26	26	5-26	26	9-23	31	9-27	27	10-19	17	10-19	17	10-26	15	178	171	163	124	120	
BEACH	102	8-4	-23	12-14	4-17	11	4-17	11	4-28	24	4-30	28	5-14	30	9-14	31	9-24	26	9-30	18	9-30	18	11-2	12	199	166	155	147	123	
BELCOURT INDIAN RES	97	8-6	-41	1-24	5-1	11	5-1	11	5-26	23	5-26	23	6-15	32	9-3	31	9-23	26	9-28	18	9-28	18	10-1	12	153	150	125	120	80	
BELFIELD	97	7-17	-24	12-12	4-17	8	4-27	19	5-1	24	5-1	24	5-2	30	9-14	31	9-24	27	9-30	19	9-30	19	11-2	12	139	156	152	146	135	
BELLAH	103	8-29	-24	2-2	4-17	9	5-1	19	5-1	19	5-1	19	5-26	32	9-11	32	9-28	27	10-19	21	10-29	18	11-2	16	199	181	171	150	108	
BISBEE	102	8-6	-35	1-24	4-16	16	5-1	19	5-2	24	5-16	26	5-26	30	9-11	32	9-28	24	9-28	24	10-26	19	11-2	16	195	204	178	149	135	
BISMARCK WB AIRPORT	104	8-29	-24	1-24	4-1	14	5-1	20	5-1	20	5-9	27	5-26	32	9-24	31	9-27	27	10-29	24	11-2	19	11-3	15	216	185	181	141	121	
BOTTINEAU	100	6-18	-38	1-24	4-16	12	5-1	18	5-1	18	5-2	28	5-26	32	9-3	32	9-28	22	9-28	22	10-1	16	10-1	16	168	153	150	149	100	
BOWBELLS	100	8-30	-29	12-20	4-17	12	5-1	20	5-2	23	5-17	27	6-2	32	9-3	32	9-28	26	9-30	22	10-1	19	11-2	16	109	153	151	134	93	
BOWMAN COURT HOUSE	101	8-3	-	-	-	-	-	-	4-27	21	4-30	25	5-1	32	-	-	9-23	28	-	-	-	-	-	-	-	-	-	-	146	-
BREIN	103	8-6	-25	1-24	4-17	13	5-1	19	5-1	19	5-26	27	5-26	27	9-15	30	9-28	24	9-28	24	10-26	20	11-2	15	199	178	150	125	112	
BUTTE	105	8-7	-29	1-24	4-17	14	5-1	18	5-1	18	5-9	28	5-17	30	9-11	31	9-28	28	10-1	22	11-2	15	11-2	15	199	185	153	142	117	
CARRINGTON	103	6-28	-33	1-24	4-7	15	5-1	18	5-3	22	5-26	28	5-26	32	9-23	32	9-28	24	9-28	24	10-26	19	11-3	11	210	178	148	125	120	
CARSON	104	8-30	-23	1-24	4-17	6	5-1	19	5-1	19	5-1	19	5-18	31	9-3	31	9-24	28	9-30	23	10-30	19	11-2	15	199	182	152	146	108	
CAVALIER	99	6-17	-28	1-24	4-12	15	4-16	19	5-1	23	5-16	26	5-17	32	9-23	29	9-28	19	9-28	19	9-28	19	11-3	9	205	165	150	135	129	
CENTER	104	8-29	-25	1-24	4-17	13	5-1	17	5-1	17	5-9	25	5-26	29	9-15	30	9-28	26	10-25	23	10-26	18	11-2	16	199	178	177	142	112	
COOPERSTOWN	99	6-27	-33	1-24	4-7	11	5-1	17	5-2	23	5-16	27	5-26	29	9-27	31	9-28	24	9-28	24	10-26	19	11-3	12	210	178	149	135	124	
CROSBY	100	8-23	-29	12-19	4-17	15	4-27	17	5-1	22	5-9	28	5-18	32	9-2	32	9-27	27	9-30	18	9-30	18	11-2	9	199	156	152	141	107	
DEVILS LAKE WB CITY	103	6-27	-33	1-24	4-7	16	4-16	18	5-2	24	5-16	27	5-26	32	9-27	31	9-28	27	10-1	23	11-2	16	11-2	16	209	200	152	135	124	
DICKINSON FAA AIRPORT	100	8-29	-21	12-19	4-17	13	4-27	18	5-1	22	5-1	22	5-3	32	9-14	32	9-24	28	9-30	20	9-30	20	11-2	14	199	156	152	146	134	
DICKINSON EXP STATION	100	8-16	-26	12-12	4-17	5	4-28	20	5-1	21	5-1	21	5-18	31	9-3	31	9-24	27	9-30	19	9-30	19	10-30	14	196	155	152	146	108	
DRAKE	102	8-7	-31	1-24	4-18	14	5-2	19	5-3	24	5-3	24	5-16	32	9-11	31	9-28	27	-	-	-	-	11-2	15	198	-	-	148	118	
DUNN CENTER 2 SW	99	8-16	-26	12-19	4-17	13	4-17	13	5-1	21	5-10	28	5-26	32	9-3	32	9-24	28	9-30	24	10-29	20	11-2	10	199	195	152	137	100	
EDGELEY EXP FARM	105	6-28	-28	1-24	4-12	16	5-3	20	5-3	20	5-9	27	5-26	30	9-23	31	9-28	27	10-19	24	10-26	18	11-3	11	205	176	169	142	120	
EDMORE 1 N	102	6-27	-35	1-24	5-1	15	5-16	20	5-26	23	5-26	23	6-19	32	9-11	30	9-27	27	9-28	23	10-26	17	11-3	9	186	163	125	124	84	
ELLENDALE	102	8-14	-28	1-24	4-12	15	5-1	20	5-2	24	5-9	28	5-9	28	9-28	32	10-1	21	10-1	21	11-3	13	11-3	13	205	186	152	145	142	
ENOERLIN	102	8-15	-30	1-25	4-12	14	4-16	20	5-3	23	5-16	28	5-26	32	9-25	31	9-28	25	10-1	22	10-26	20	11-3	14	205	193	151	135	122	
FAIRFIELD	100	8-29	-25	12-19	4-27	16	4-27	16	5-1	24	5-1	24	5-1	24	9-24	28	9-24	28	9-30	19	9-30	19	11-2	11	189	156	152	146	146	
FARGO WB AIRPORT	99	8-29	-27	1-24	4-12	15	5-2	20	5-2	20	5-16	28	5-29	32	9-27	31	9-28	24	9-28	24	11-2	20	11-2	20	133	205	184	149	135	
FESSENDEN	102	8-6	-31	1-24	4-16	16	4-28	20	5-3	23	5-16	27	5-26	30	9-11	31	9-28	25	10-26	17	10-26	17	11-3	9	201	181	176	135	108	
FORMAN	102	8-29	-29	1-24	4-12	14	4-15	20	5-2	24	5-3	23	5-26	32	9-25	31	9-28	27	10-19	23	11-3	11	11-3	11	205	202	170	148	122	
FORT YATES	106	6-27	-25	1-25	4-16	12	4-29	20	4-30	22	5-9	26	5-26	31	9-28	31	9-30	28	10-26	24	10-30	20	11-3	13	201	184	179	144	125	
FOXHOLM 7 N	102	8-29	-31	1-24	4-17	12	5-3	20	5-3	20	5-9	26	5-26	29	9-2	32	9-28	20	9-28	20	9-28	20	10-26	14	192	148	148	142	104	
FULLERTON	101	6-27	-30	1-24	4-12	12	5-1	18	5-3	24	5-9	28	5-26	30	9-4	31	9-28	26	10-19	24	10-26	19	11-3	13	205	178	159	142	101	
GACKLE	104	6-27	-35	1-24	4-16	15	5-1	18	5-1	18	5-16	28	5-26	31	9-28	26	9-28	26	10-30	23	11-2	19	11-3	10	201	185	182	135	125	
GARRISON	100	8-30	-24	1-25	4-17	13	5-1	20	5-1	20	5-2	26	5-9	29	9-24	30	9-28	28	10-19	24	11-2	16	11-2	16	199	185	171	149	138	
GRAFTON	100	8-13	-28	1-24	4-12	15	4-16	20	5-1	23	5-16	25	5-29	31	9-4	31	9-28	23	9-28	23	10-26	16	10-26	16	197	193	150	135	98	
GRAND FORKS FAA AIRPORT	101	8-14	-28	1-24	4-1	11	4-12	19	5-2	23	5-16	25	5-29	30	9-27	30	9-28	28	10-26	19	10-26	19	11-3	16	216	197				

Table 3--Continued

TEMPERATURE EXTREMES AND FREEZE DATA

NORTH DAKOTA
1961

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates					
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		12° or below		8° or below		4° or below	
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.
RUGBY	100	8-6	-32	1-24	4-1	10	5-1	19	5-2	24	5-3	26	5-26	32	9-11	32	9-28	26	10-1	22	11-2	16	11-2	16	215	185	157	148	104	
SAN HAVEN	97	8-6	-34	1-24	4-16	14	5-1	20	5-1	20	5-9	27	5-26	31	9-11	32	9-28	23	9-28	23	10-1	18	11-2	15	200	153	150	147	108	
SHARON	95	8-29	-31	1-24	4-7	9	4-27	20	5-2	24	5-16	25	5-26	31	9-27	30	9-28	24	9-28	24	10-26	19	11-3	10	210	182	149	135	124	
STANLEY	99	8-29	-34	12-19	4-17	10	4-27	19	5-1	21	5-9	26	5-17	30	9-3	40	9-28	25	9-30	23	10-1	19	11-2	15	199	157	157	147	104	
STEELE	102	6-27	-34	1-24	4-16	11	4-17	17	5-3	24	5-9	27	5-26	32	9-28	27	9-28	27	10-26	21	11-2	20	11-3	10	201	199	176	142	125	
TIOGA 1 E	100	8-24	-33	12-19	4-17	10	4-28	20	5-1	24	5-17	28	5-19	32	9-3	32	9-24	26	9-30	15	9-30	15	9-30	15	166	155	152	130	107	
TOWNER	102	8-6	-32	1-24	4-16	12	5-1	17	5-2	22	5-3	28	5-26	31	9-11	29	9-24	28	10-1	20	10-1	20	11-2	11	200	153	152	144	108	
TROTTERS 3 S	99	8-16	-23	12-19	4-17	13	4-27	17	4-27	17	5-1	25	5-2	31	9-2	30	9-24	27	9-30	19	9-30	19	11-2	11	199	156	156	146	123	
TURTLE LAKE	103	8-6	-27	1-24	4-17	16	5-1	20	5-1	20	5-9	27	5-16	32	9-11	32	9-28	26	10-26	20	10-26	20	11-2	15	199	178	178	142	118	
TUTTLE	101	8-29	-	-	-	-	5-1	17	5-1	17	5-18	28	5-26	29	9-11	32	9-28	21	9-28	21	10-19	20	10-26	16	-	171	150	133	108	
UNOERWOOD	102	8-6	-28	1-24	4-17	14	5-1	18	5-4	24	5-9	26	5-26	32	9-11	32	9-28	28	10-26	20	10-26	20	11-2	14	199	178	175	142	108	
UPHAM 3 N	105	8-3	-35	1-24	5-1	15	5-1	15	5-1	15	5-9	26	5-26	32	9-11	28	9-11	28	9-28	23	10-1	15	10-1	15	153	153	150	125	83	
VALLEY CITY	95	8-29	-	-	4-12	15	5-2	18	5-3	22	-	-	5-26	29	9-23	30	9-28	21	9-28	21	10-19	20	10-26	16	192	178	148	142	108	
VELVA	102	8-29	-26	1-24	4-17	13	5-1	18	5-3	22	5-9	27	5-26	32	9-11	30	9-28	24	9-28	24	10-26	16	10-26	16	192	178	148	142	108	
WAHPETON	99	8-14	-	-	4-12	13	4-16	20	5-2	24	5-9	28	5-16	30	9-28	27	9-28	27	10-26	22	11-3	11	11-3	11	205	201	177	142	135	
WASHBURN	105	8-6	-	-	4-17	15	4-30	20	5-1	21	5-20	28	5-20	28	9-24	30	9-30	28	10-30	22	11-2	15	11-2	15	199	186	182	133	127	
WATFORD CITY	99	8-29	-26	12-19	4-17	12	4-27	20	4-28	24	5-1	26	5-9	29	9-24	28	9-24	28	9-30	19	9-30	19	11-2	12	199	156	155	146	138	
WATFORD CITY 14 S	101	8-29	-26	12-19	4-17	9	4-17	9	4-30	24	5-1	25	5-9	32	9-3	30	9-24	26	9-30	18	9-30	18	11-2	14	199	166	153	146	117	
WESTHOPE	102	8-3	-31	1-24	4-17	15	5-1	20	5-1	20	5-9	26	5-18	31	9-11	32	9-28	27	10-1	19	10-1	19	11-2	15	199	153	153	142	116	
WILLISTON WB CITY	99	8-5	-25	12-19	4-16	14	4-27	20	4-27	20	4-28	25	5-9	32	9-24	30	9-30	22	9-30	22	11-2	12	11-2	12	200	189	156	155	138	
WILLISTON EXP FARM	98	8-23	-29	12-19	4-17	15	4-27	18	5-2	24	5-2	24	5-9	30	9-2	32	9-24	26	9-30	17	9-30	17	11-2	12	199	156	151	145	116	
WILLOW CITY	100	8-13	-34	1-24	5-1	14	5-3	20	5-26	22	5-26	22	6-20	31	9-7	31	9-28	20	9-28	20	10-26	11	11-2	178	148	125	125	79		
WILTON	105	8-6	-32	1-24	4-17	14	5-1	20	5-9	24	5-9	24	5-16	32	9-24	29	9-28	27	10-26	24	11-2	14	11-2	14	199	185	170	142	131	
WISHEK	102	6-28	-32	1-24	-	-	-	-	5-26	24	5-26	24	5-26	24	9-4	31	9-28	23	9-28	23	10-19	16	10-19	16	-	-	125	125	101	

TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

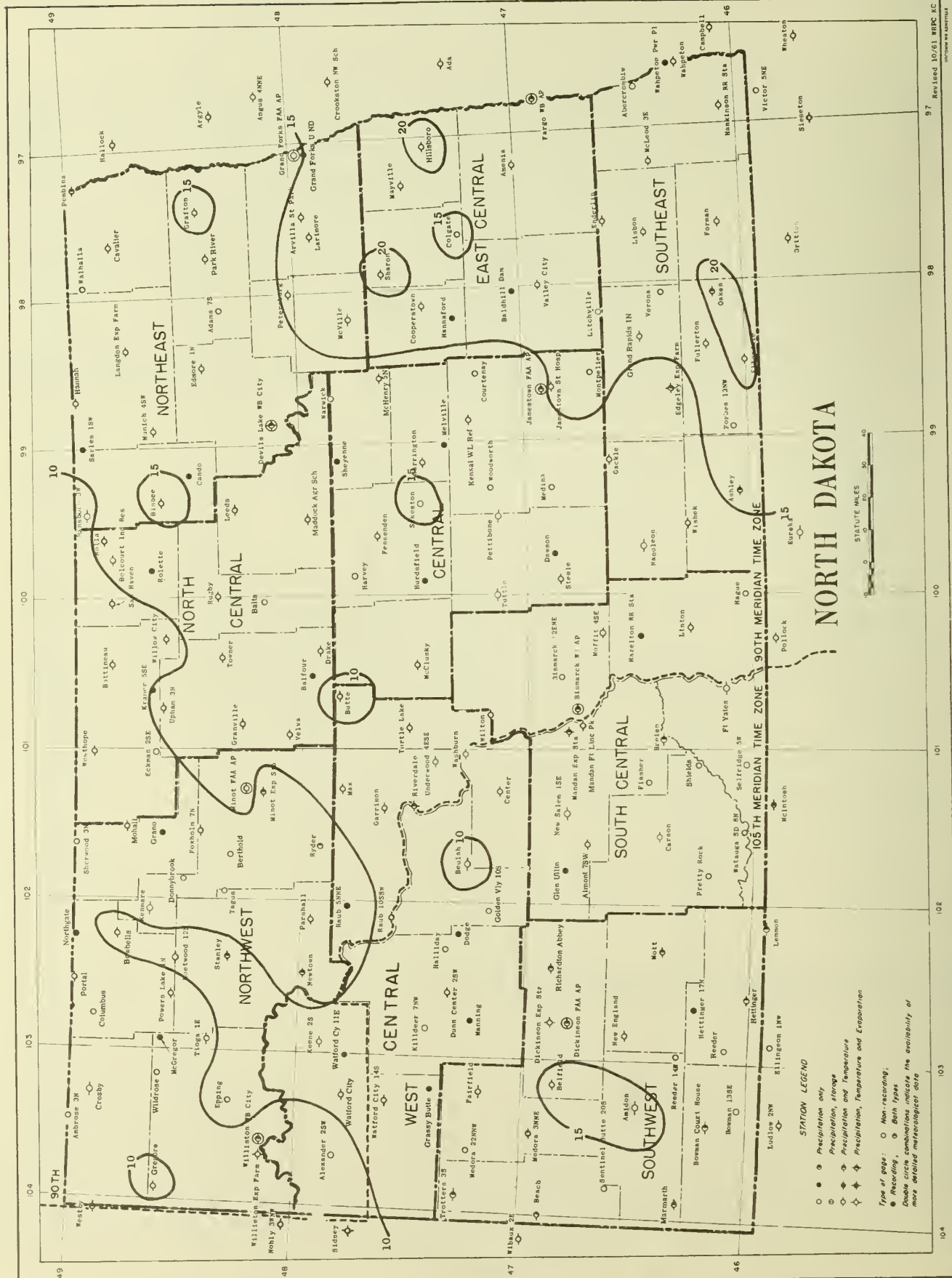
Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
DEVILS LAKE WB CITY	EVAP	-	-	-	B 3.10	6.00	9.08	6.50	8.13	2.99	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	B 2382	1678	1366	1058	1148	1289	-	-	-	-
DICKINSON EXP STATION	EVAP	-	-	-	-	B 6.75	B10.54	9.92	B10.16	B 4.40	-	-	-	-
	DEP	-	-	-	-	+1.14	+4.45	+1.95	+2.91	-0.58	-	-	-	-
	WIND	-	-	-	-	4220	2670	3040	2310	2860	-	-	-	-
	MAX	-	-	-	-	69.2	-	-	83.4	61.4	-	-	-	-
	MIN	-	-	-	-	43.1	-	-	54.6	40.0	-	-	-	-
EDGELEY EXP FARM	EVAP	-	-	-	-	B 6.53	9.56	7.48	9.67	B 4.62	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	2841	B 1671	1552	1678	2012	-	-	-	-
MANDAN EXP STATION	EVAP	-	-	-	B 3.90	5.28	8.30	6.79	7.95	3.66	-	-	-	-
	DEP	-	-	-	+0.28	-0.06	+2.37	-0.54	+1.38	-0.85	-	-	-	-
	WIND	-	-	-	5136	4349	2960	2825	2698	3082	-	-	-	-
RIVERDALE	EVAP	-	-	-	-	B 7.47	9.91	9.78	10.86	B 4.94	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	B 4394	3828	2615	3053	2999	4065	4064	-	-	-
	MAX	-	-	-	-	68.9	81.0	82.3	82.3	60.0	-	-	-	-
	MIN	-	-	-	-	41.7	54.8	55.4	57.7	42.3	-	-	-	-
WILLISTON EXP STATION	EVAP	-	-	-	-	B 7.85	11.61	11.39	B13.50	4.73	-	-	-	-
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-
	WIND	-	-	-	-	2420	998	930	1175	2232	3248	-	-	-
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-
	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-

(A) PAN 6 FEET IN DIAMETER; 24 INCHES DEEP; IN GROUND 20 INCHES.
MAX AND MIN IN TABLE 4 REFER TO AVERAGE MAXIMUM AND AVERAGE MINIMUM TEMPERATURE OF WATER IN PAN.

See reference notes following Station Index.

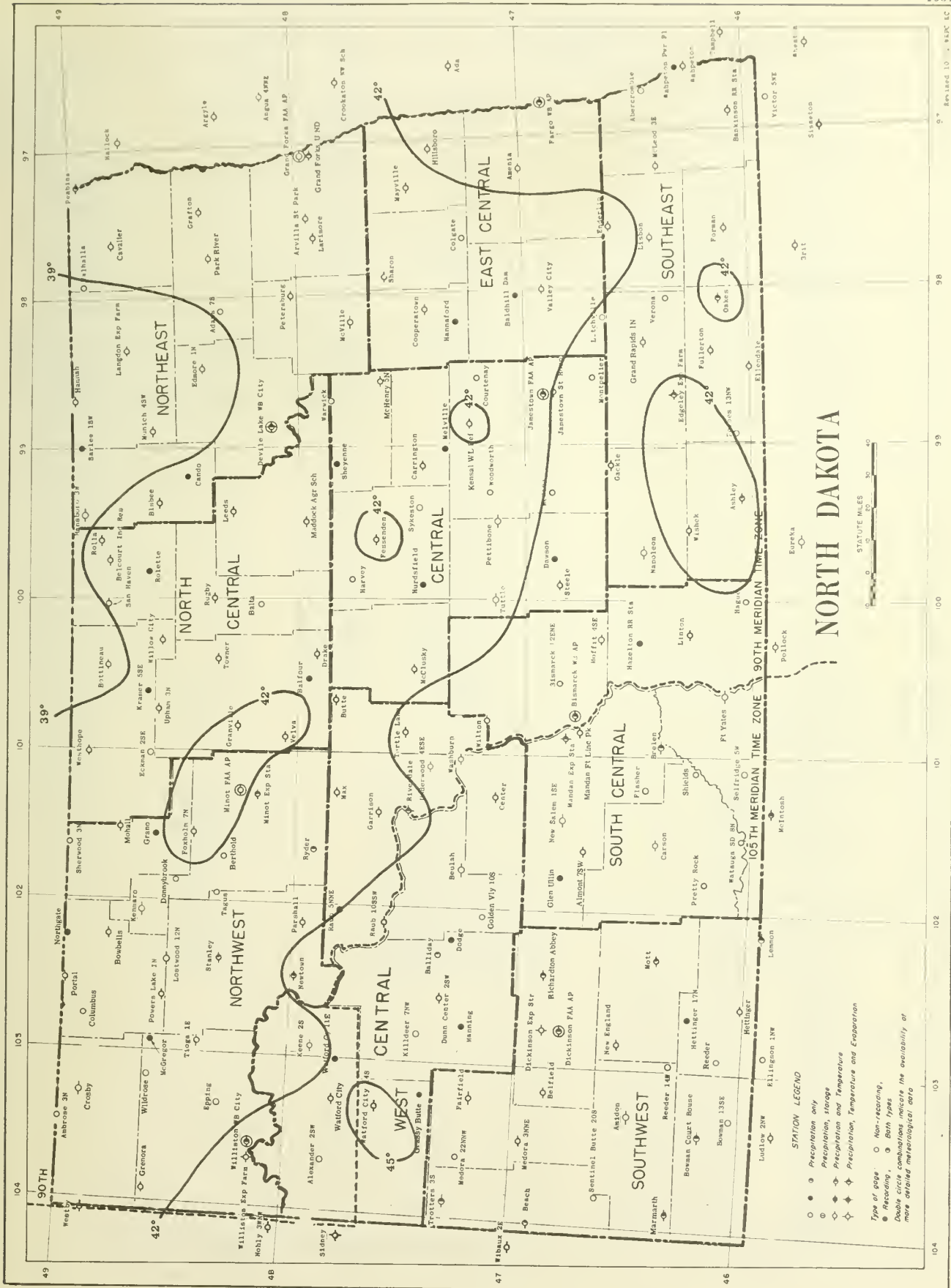
TOTAL PRECIPITATION

1961



AVERAGE TEMPERATURE

1961



STATION INDEX

NORTH DAKOTA
1961

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Temp	Precip	Evap	Years of record	Opened or closed during yr.	Refer to tables	Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Temp	Precip	Evap	Years of record	Opened or closed during yr.	Refer to tables
ARFCROMBIF	0005	RICHLAND	10	46 27	96 45	935	5					2	NAPOLFON	6255	LOGAN	8	46 30	99 46	1955	70	70				1 2 3
ADAMS 7 S	0022	WALSH	10	46 20	98 06	1554						2	NW ENGLAND	6315	HEPPTINGER	1	46 33	102 52	2621	70	70				1 2 3
ALEXANDER 2 SW	0096	MCKENZIE	13	47 50	103 40	2170						2	NEW SALEM 1 SE	6365	MORTON	4	46 50	101 25	2163	58	58				1 2 3
ALMONT 7 SW	0136	MORTON	4	46 43	101 39	2300	19	19				1 2 3	NEWTOWN	6383	MOUNTAINTAIL	8	47 59	102 29	1905	9	9				1 2 3 C
AMROSE 3 N	0189	DIVIDE	12	49 00	103 28	2027						1 2 3	NORTHGATE	6535	BURKE	12	49 00	102 16	1890						1 2 3
AMFNA	0196	CASS	11	47 00	97 13	960	12	12				1 2 3	DAKES	6620	DICKET	5	46 08	98 05	1320	33	33				1 2 3 C
AMION	0209	SLOPE	1	46 29	103 19	2910	40	40				1 2 3	DAVE RIVER	6857	WALSH	10	48 23	97 45	998	58	58				1 2 3
ARVILLA STATE PARK	0369	GRAND FORKS	10	47 56	97 30	960	18	18				1 2 3	PARRISH	6867	MOUNTAINTAIL	8	47 57	102 08	1929	30	47				1 2 3
ASHLEY	0382	MCINTOSH	8	46 02	99 22	2001	66	66				1 2 3 C	PEMBINA	6947	PEMBINA	10	48 58	97 14	817	88	88				1 2 3 C
RALPHILL DAM	0450	BARNES	11	47 02	98 02	1300						1 2 3	PETERBURG	7027	NELSON	10	48 01	98 00	1524	18	31				1 2 3
BALFOUP	0492	MCHENRY	12	47 50	100 32	1615						1 2 3	PETTERBURG	7047	KIDDER	8	47 07	99 31	1855	53	53				1 2 3
BALTA	0500	PIERCE	11	48 10	100 02	1550						1 2 3	PORTAL	7201	BURKE	12	49 00	102 33	1954	48	48				1 2 3
BALTA	0590	GOLDEN VALLEY	3	46 55	104 01	2824						1 2 3	POWERS LAKE 1 N	7281	BURKE	8	48 34	102 38	2205	36	57				1 2 3
BELFOUNT INDIAN OFC	0626	ROLETTE	9	48 50	99 45	1960	17	17				1 2 3	PRETTY ROCK	7311	GRANT	1	46 10	101 51	2480						2
BELFIELD	0639	STARK	4	46 53	103 11	2583	44	44				1 2 3	RAIR 4 NAF	7405	MCLEAN	8	47 48	102 02	1975						1 2 3
BERTHOLD	0729	WARD	17	48 19	101 44	2080						1 2 3	RAIR 10 SW	7408	MCLEAN	8	47 36	102 06	1958	68	68				1 2 3
BULAH	0766	MERCER	6	47 16	101 47	1780						1 2 3	REDFORD	7450	ADAMS	3	46 06	102 07	2810						1 2 3
BURSE	0796	TOWNER	2	48 37	99 22	1600	59	59				1 2 3	REDFORD 14 N	7452	SLOPE	1	46 19	102 07	2784						1 2 3
BISMARCK WR AIRPORT	0815	BURLINGHAM	8	46 46	100 45	1647	22	22				1 2 3	RICHARDSON ARBEY	7510	STARK	4	46 53	102 19	2470	46	46				1 2 3
BISMARCK 12 FNE	0827	BURLINGHAM	8	46 53	100 35	1709						1 2 3	RIVERDALE	7585	MCLEAN	8	47 30	101 21	1950						1 2 3
ROTTINEAU	0941	ROTTINEAU	12	48 50	100 27	1640	70	70				1 2 3	ROLETTE	7655	ROLETTE	12	48 40	99 50	1630						1 2 3
ROTTINEAU	0961	BURKE	12	48 46	102 15	1953	36	36				1 2 3	ROLLA	7664	POLETTE	2	48 52	99 37	1819	24	24				1 2 3
ROWMAN COURT HOUSE	0995	ROWMAN	3	46 11	103 23	2980	47	47				1 2 3	ROUSE	7704	PIERCE	12	48 22	100 00	1560	14	33				1 2 3
ROWMAN 13 SE	0998	ROWMAN	3	46 02	103 18	2830						1 2 3	RYAN	7748	WARD	8	47 55	101 40	2108						1 2 3
RIESEN	1052	SIoux	1	46 24	100 56	1720	2	2				1 2 3	SAN HAVEN	7824	ROLETTE	12	48 50	100 02	2001	10	10				1 2 3
RUTTE	1226	MCLEAN	12	47 50	100 40	1889	37	37				1 2 3	SARLEY 1 SW	7844	TOWNER	6	48 56	99 00	1602						1 2 3
CANDO	1288	TOWNER	12	47 29	99 12	1481						1 2 3	SARLEY 5 W	7952	SIoux	1	46 14	101 06	2229	25					1 2 3
CARRINGTON	1360	FOSTER	5	47 27	99 08	1586	64	64				1 2 3	SENTINEL BUTTE 20 S	7976	GOLDEN VALLEY	7	46 37	103 49	2662						1 2 3
CARSON	1370	GRANT	4	46 25	101 34	2310	50	50				1 2 3	SHADON	7986	STEELE	10	47 36	97 54	1516	35	38				1 2 3
CAVALIER	1435	PEMBINA	9	48 48	97 58	889	26	26				1 2 3	SHERWOOD 3 N	8047	RENNVILLE	12	49 00	101 38	1647	14					1 2 3
CENTER	1456	OLIVER	8	47 07	101 18	2100	24	24				1 2 3	SHIPPEN	8057	FOOT	11	47 50	99 07	1480						1 2 3
COLGATE	1686	STEELE	10	47 14	97 58	1180	28	28				1 2 3	SHIELD	8065	GRANT	1	46 14	101 07	1806						1 2 3
COLUMBUS	1696	BURKE	12	48 54	102 47	1939	11	11				1 2 3	SHIPPEN	8276	MONTAINTAIL	8	48 19	102 24	2260	24	24				1 2 3
CORPSESTOWN	1766	GRIGGS	11	47 26	98 07	1428	65	65				1 2 3	STANLEY	8166	KIDDER	8	46 51	99 55	1857	68	68				1 2 3
COURTENAY	1816	STUTSMAN	5	47 13	98 34	1523	28	28				1 2 3	STEFAN	8808	WELLS	5	47 28	99 24	1634	10					1 2 3
CROSBY	1871	DIUIT	12	48 54	103 18	1952	59	59				1 2 3	TAGUS	8627	MONTAINTAIL	12	48 20	101 56	2179	33					1 2 3
DAWSON	2018	KIDDER	8	46 52	99 45	1730						1 2 3	TAKA 1 F	8739	WILLIAMS	8	48 24	102 55	2245	6	33				1 2 3
DEVILS LAKE WR CITY	2158	RAMSEY	2	48 07	98 52	1471	57	57				1 2 3	TOWER	8792	MCHENRY	12	48 21	100 24	1482	40	60				1 2 3
DICKINSON FAA AIRPORT	2193	STARK	4	46 47	102 48	2595	21	21				1 2 3	TROTTERS 3 S	8812	GOLDEN VALLEY	13	47 17	103 54	2420	2	36				1 2 3
DICKINSON EXP STATION	2188	STARK	4	46 53	102 48	2460	7	70				1 2 3	TURTLE LAKE	8840	MCLEAN	8	47 31	100 53	1889	48	48				1 2 3
DODGE	2215	DUNN	6	47 18	102 12	1989						1 2 3	THITTE	8850	KIDDER	8	47 58	100 00	1880	53					1 2 3
DONNYBROOK	2242	WARD	12	48 31	101 53	1760	11	11				1 2 3	UNDERWOOD	8872	MCLEAN	8	47 27	101 08	2026	9	6				1 2 3
OPAKE	2298	MCHENRY	12	47 55	100 22	1634	32	32				1 2 3	URHAM 3 N	8913	MCHENRY	12	48 37	100 44	1425	21	21				1 2 3
DUNN CENTER 2 SW	2365	DUNN	6	47 20	102 38	2232	63	63				1 2 3	VALLEY CITY	8937	BARNES	11	46 55	98 00	1230	57	57				1 2 3
ECKMAN 2 SE	2472	ROTTINEAU	12	48 39	101 01	1495	56	56				1 2 3	VELVA	8990	MCHENRY	12	48 03	100 55	1511	35	35				1 2 3
EMPELY EXP FARM	2482	LA MOURE	5	46 20	98 42	1568	61	61				1 2 3	VERONA	9035	LA MOURE	5	46 22	98 05	1382	21					1 2 3
EMORE 1 N	2525	RAMSEY	2	48 25	98 28	1520	38	38				1 2 3	WAPPTON POWER PLANT	9095	RICHLAND	10	46 17	96 36	962						1 2 3
ELLENDALE	2605	DICKET	5	46 00	98 31	1460	63	63				1 2 3	WAPPTON	9100	RICHLAND	10	46 16	96 36	960	70	70				1 2 3
ENDERLIN	2695	RAMSON	11	46 37	97 36	1120	9	9				1 2 3	WALHALLA	9155	PEMBINA	9	48 55	97 55	950	21	21				1 2 3
EPPEING	2735	WILLIAMS	8	48 17	103 21	2254	53	53				1 2 3	WAPPTON	9185	RENSON	11	47 51	98 42	1470	10					1 2 3
FAIRFIELD	2809	BILLINGS	7	47 11	103 13	2750	6	6				1 2 3	WATKINS	9195	MCLEAN	8	47 17	101 02	1760	59	59				1 2 3
FARGO WR AIRPORT	2859	CASS	10	46 54	96 48	900	81	81				1 2 3	WATKINS 5 OAKOTA 8 N	9219	GRANT	1	46 02	101 34	2074	11					1 2 3
FESSENDEN	2949	WELLS	5	47 39	99 37	1620	50	50				1 2 3	WATKINS CITY	9233	MCKENZIE	8	47 48	103 17	2100	49	49				1 2 3
FLASHER	3009	MONTON	1	46 27	101 14	1930	12	12				1 2 3	WATKINS CITY 11 F	9238	MCKENZIE	8	47 47	103 02	2130						1 2 3
FORBES 13 NW	3064	DICKET	5	46 04	98 56	1986	10	10				1 2 3	WATKINS CITY 14 S	9244	MCKENZIE	7	47 36	103 17	1965	9	10				1 2 3
FORMAN	3117	SARGENT	10	46 06	97 35	1249	70	70				1 2 3	WATKINS CITY 14 S	9244	MCKENZIE	7	47 36	103 17	1965	9	10				1 2 3
FORT VATES	3207	SIoux	8	46 06	100 36	1440	62	62				1 2 3	WATKINS CITY 14 S	9244	MCKENZIE	7	47 36	103 17	1965	9	10				1 2 3
FOXTON 7 N	3217	WARD	12	48 27	101 34	1609	37	41				1 2 3	WATKINS CITY 14 S	9244	MCKENZIE	7	47 36	103 17	1965	9	10				1 2 3
FULLEPTON	3287	DICKET	5	46 10	98 25	1439	64	64				1 2 3	WATKINS CITY 14 S	9244	MCKENZIE	7	47 36	103 17	1965	9	10				1 2 3
GACKLE	3309	LOGAN	5	46 38	99 08	1951	31	31				1 2 3	WATKINS CITY 14 S	9244	MCKENZIE	7	47 36	103 17	1965	9	10				1 2 3
GARRISON	3376	MCLEAN	8	47 38	101 25	1911	85	85				1 2 3	WATKINS CITY 14 S	9244	MCKENZIE	7	47 36	103 17	1965	9	10				1 2 3
GLEN HILLIN	3496	MONTON	4	46 49	1																				

REFERENCE NOTES

Additional information regarding the climate of North Dakota may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Bismarck North Dakota, or to any Weather Bureau Office near you.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in F., precipitation and evaporation in inches and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 4.

Long-term means for full-time stations (those with Weather Bureau, Weather Bureau Airport, or Weather Bureau City in the station name) are based on the period 1921-1950 adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

Climatological divisions, outlined on the maps in this bulletin, became effective with data for August 1956.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried in the June and December issues of Climatological Data.

- No record
- * Also earlier date (dates) or months.
- Amount included in following measurement.
- V Includes total for previous month. V in annual column means total is for a two-year period.
- // Gage is equipped with a windshield.
- # Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- B Adjusted to full month.
- C Data for recorder stations denoted by "C" in the Refer to Tables column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder-only stations may be found in the annual issue of "Hourly Precipitation Data".
- E Amount is wholly or partially estimated.
- M One or more days' record missing; if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- T Trace, an amount too small to measure.

Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., for 25 cents. Similar information for regular Weather Bureau stations may be found in the latest issue of Local Climatological Data annuals, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

USCOMM-WB-ASHEVILLE--2-16-62---975

CHANGES IN STATION NAMES

NEW NAME	FORMER NAME	DATE
HANSBORO 3 W	HANSBORO	May 11, 1961
RAUB 5 NNE	RAUB	June 6, 1961
UNDERWOOD	UNDERWOOD 4 ESE	November 8, 1961

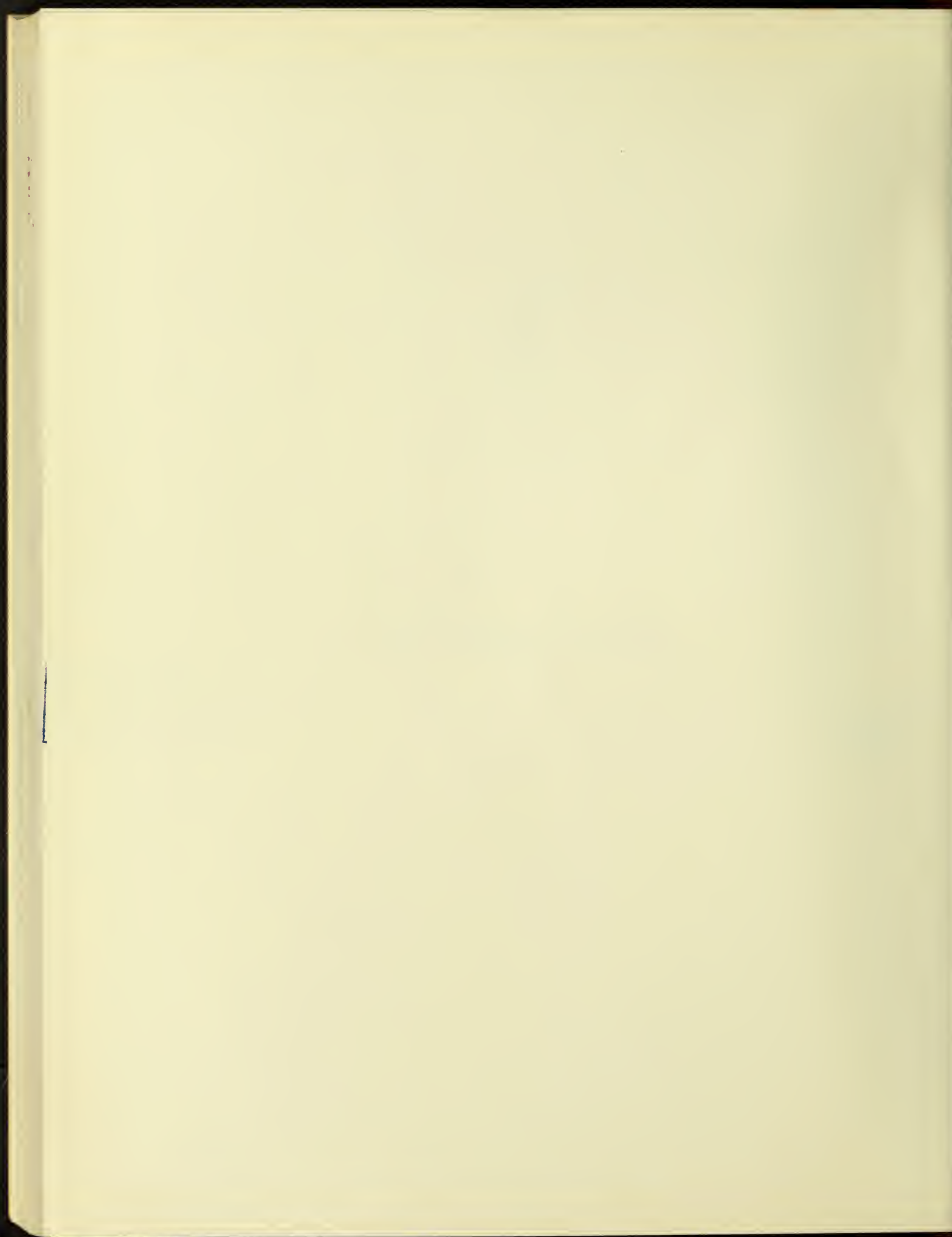
RELOCATION AND CHANGES OF EQUIPMENT

STATION NAME	RELOCATION AND CHANGES OF EQUIPMENT	DATE
COOPERSTOWN	Equipment moved 100 feet N	September 6, 1961
CROSBY	Rain gage moved 8 feet E	June 7, 1961
FAIRFIELD	Equipment moved 200 feet SE	August 8, 1961
FORT YATES	Equipment moved 150 yards N	April 7, 1961
GRAND FORKS FAA AIRPORT	Recording rain gage removed	November 16, 1960
HANSBORO 3 W	Equipment moved 3.4 miles W	May 11, 1961
HETTINGER	Equipment moved 6 feet N	May 23, 1961
HETTINGER 17 N	Recording rain gage moved 2 miles W	November 14, 1961
KENMARE	Rain gage moved 27 feet SW	June 28, 1961
MAYVILLE	Equipment moved 200 feet WNW	September 6, 1961
PEMBINA	Equipment moved 500 yards NNW	October 19, 1961
PORTAL	Equipment moved 150 feet SW	November 9, 1961
RAUB 5 NNE	Recording rain gage moved 4.6 miles NNE	June 6, 1961
SELFREDGE 5 W	Rain gage moved 93 feet WSW	May 22, 1961
TUTTLE	Temperature equipment installed	May 1, 1961
UNDERWOOD	Equipment moved 4 miles WNW	November 8, 1961
WAHPETON	Equipment moved 0.7 mile SE	September 28, 1961
WATFORD CITY	Equipment moved 200 feet SW	March 29, 1961
WATFORD CITY	Equipment moved 200 feet NE	August 8, 1961

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